

ALLIED RADIO SHACK

DIVISION OF TANDY CORP.

1971 CATALOG

CAT.300 PRICE:\$1⁰⁰

50th

ANNIVERSARY EDITION

**Is this the last stereo receiver
we'll ever design?**

No, but it may be the last one you'll ever buy! We built our new Allied® 498 to be a *permanent* FM-AM receiver . . . with all of tomorrow's features today. You get super-abundant 350-watt power, forever-aligned crystal IF's, controls and inputs for everything, plus 2-way-sweep automatic power-drive tuning! Her stereo headphones are our new Allied® H887's (page 109, \$49.95). She's enjoying a private concert that's better than front-row center . . . you can plug *two* pairs into the 498 to share the experience with her. Dream Systems featuring the 498 are on page 19.

Model 498
Receiver.
See page 18

499⁹⁵



INDEX PAGE 332 • STORE LOCATIONS PAGE 455 • WE SERVICE WHAT WE SELL . . . EVERYWHERE IN THE COUNTRY
ALLIED RADIO SHACK • 100 N. WESTERN AVE. • CHICAGO, ILLINOIS 60680 • (312) 421-6800

NEW! This Allied 8-track Record / Play Deck lets you make your own stereo tape cartridges . . play them back through your car tape player or your home music system or console

Record and play your favorite music at home . . or play in your car . . or in your boat



159⁹⁵

no money down

see page 331



Continuous-Play switch plays all 4 programs on cartridge, in succession, automatically, over and over. Repeat Control plays any one of the 4 programs, continuously. Auto Eject stops tape and pops-out cartridge.



Two full-view level meters let you make precision-perfect recordings.

Model 1188. Here's what everyone's been waiting for. An 8-track stereo tape deck—with true hi-fi specifications—that lets you *record* and *play* your own 8-track cartridges. You can record your favorite music from stereo FM, or records, and play your cartridges back through your music system or your car tape player. This deck can actually pay for itself in the money you save by not having to buy pre-recorded cartridges. And with its wide response of 30-15,000 Hz, you get hi-fi stereo sound comparable to good reel-to-reel tape components. All silicon-transistors cut distortion to the vanishing point. An outer-rotor capacitor-type motor, the best available, filters out flutter and wow.

Operation is pushbutton-simple. To start the deck, just insert a cartridge and it begins to play automatically. To stop, just push the eject button and the cartridge pops out. Other pushbuttons give you a choice of continuous replay of an entire cartridge or automatic repeat-play of any individual program on a cartridge. Program indicator lights show which program is playing. Even has a fast-forward pushbutton, rare in cartridge recorders. One-button recording control and twin level meters for full-fidelity tapes every time you record. Stereo headphone jack for private listening. Walnut finish wood case. 4 $\frac{1}{4}$ "x15 $\frac{1}{4}$ "x9 $\frac{3}{4}$ ". With two patch cords for taping direct from radio, phono, or TV.

15 B 7598 X. Shpg. wt. 14 lbs. 159.95

SPECIFICATIONS. Frequency Response: 30-15,000 Hz. Signal-to-Noise Ratio: over 48 dB. Crosstalk -50 dB or more. Flutter & Wow: Under 0.2% rms. Bias and Erase: AC. Tape Speed: 3 $\frac{3}{4}$ ips. Record/Play Time: up to 80 min. Inputs: 2 Mikes, 2 Aux. Outputs: low-impedance stereo headphone; 2 preamplified (0-1 volt). Controls: Volume for each channel; record button; pushbuttons for continuous play, repeat, auto eject, fast forward, select; stereo-mono switch on rear panel. Power: 110-120 volts, 60 Hz AC.

ALLIED joins RADIO SHACK

to give you the best shopping ever in electronics

Now . . . the two greatest names in electronics are united to bring you the best selection ever of *everything in electronics!* This catalog has exciting new products by Allied® and Knight-Kit® *plus* hundreds of items with these Allied Radio Shack trademarks: Realistic®, Archer®, Radio Shack®, PortaVision® and Science Fair™. These popular brands are made by us and we price them with "built-in discounts" that give you *more than your money's worth!* And, as always, we offer the best from other famous manufacturers . . . choose from hundreds of brands, thousands of items.

SHOP BY MAIL

No traffic to fight. No jostling crowds. No carrying packages. No waiting for salespeople. And mailboxes are always open.

When you shop by mail from Allied Radio Shack you get some special advantages:

You're 99.9% certain to find *exactly* what you want, because there is so much to choose from. No store could ever show you the vast selection of electronic equipment that's *right here* in this unique catalog.

You save money. Because we are the largest electronics mail order house, we buy in huge quantities. This means lower prices for you. No need to shop around. The best-buys available are *right here*.

And you can buy in confidence. We service what we sell . . . at over 850 convenient Allied Radio Shack stores, from coast-to-coast.

.. OR SHOP AT THE CATALOG ORDER DESK AT OVER 850 STORES



The joining of Allied and Radio Shack has created an "instant" chain of electronic department stores from coast to coast. Now you can order any item in this catalog at any Allied Radio Shack store . . . we can ship to your home or direct to the store. See page 455 for your nearest store.

IMPORTANT! Every Allied Radio Shack store also has an INDUSTRIAL CATALOG ORDER DESK where you can order any item in the 616-page Allied Electronics Corp. industrial catalog — see next page.

Two big career opportunities for Allied Radio Shack customers

Many people who visit our stores would like a business of their own. Like most Americans, they know you stand a little taller when you are your own boss. For these people, we offer a choice of two programs, each designed to give you independence and a lucrative career. One choice is to become the proprietor of your own Allied Radio Shack store . . . see page 6 for details. Your other opportunity is to become Manager

of a company-owned store. As Manager, you call most of the shots, and you join company insurance programs that are the envy of most people. Business experience is helpful, but hard, smart, accurate work is the main requirement. Interested? For a prompt reply, write—NOW—direct to Vice President G. R. Nugent, Allied Radio Shack, 2617 West Seventh Street, Fort Worth, Texas 76107, Dept. GRN.

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COMPLETE INDEX STARTS ON PAGE 332

Get this real **PROBLEM-SOLVER!**

*Hard-to-get items are
easy to find in the . . .*

ALLIED ELECTRONICS DIVISION OF TANDY CORP. **INDUSTRIAL CATALOG**

Price: \$2.00

No charge with order,
refundable on first purchase

*The most complete
most factual
most-wanted
catalog in
industrial
electronics*

**NOW AVAILABLE TO
GENERAL PUBLIC
FOR FIRST TIME!**

- **616 pages**
- **Over 70,000 items**
- **Over 700 manufacturers**

**No.
710**



Now available to the general public . . . the Allied Electronics Corp. industrial catalog. People in the electronics business call it the "Bible of the Industry" because it describes, *in detail*, more electronics parts and equipment than any other catalog!

It is compiled especially to meet the needs of industry, institutions and government agencies. That's why it's also the catalog for you if you're looking for *the* dependable source for hard-to-get items.

You can buy in just about any quantity from this catalog too, whether you want one or one-thousand. The Allied Electronics 450,000-square-foot warehouse permits *in-depth* stocks. This means that most orders from the industrial catalog arriving by 2:30 p.m. are on their way to you the same day. No other electronics distributor has the facilities to give service like that. It's one reason why Allied Electronics has the best order-filling record in the U.S.A.

Want a copy of the new 1971 Allied Electronics catalog no. 710? Fill out the order blank in this catalog (the \$5 minimum order and handling charge do not apply) and mail it with \$2.00 to Allied Electronics, 2400 W. Washington Blvd., Chicago, Illinois 60680. Your two dollars will be refunded with your first order. Act now—catalogs are in short supply. Or visit any Allied Radio Shack store to get your copy . . . there's a store near you!



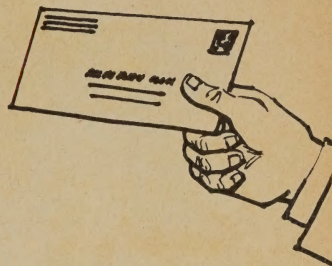
**Now! There's an Allied Electronics
INDUSTRIAL CATALOG ORDER DESK
at each Allied Radio Shack store!**

See page 455 for complete list of stores

IT'S CONVENIENT TO BUY ON CREDIT AT ALLIED RADIO SHACK

When you shop by mail

... use our CREDIT FUND Plan. If you don't already have an account with us, just fill out the form on the back of our order blank and mail it to us with your order. We'll open an Allied Radio Shack credit account for you. This gives you important advantages. You pay *after* you get your merchandise, not before. You pay only a few dollars a month, which boosts your buying power. You could buy one of our *best* music systems, for example, and pay less than \$20 monthly.



You can make Add-On orders anytime with just your signature

You can order more items before your first order is paid up, often without increasing your monthly payment. Just sign the order blank each time you send in your order. You can use your CREDIT FUND account like a charge account, too. When you pay in full within 30 days there is no service charge at all. And here's another convenience... when you order on credit, you don't have to figure shipping fees. We do it for you, ship the economical way, and include the fee in your account. It makes shopping by mail at Allied Radio Shack the easiest way to buy of all.

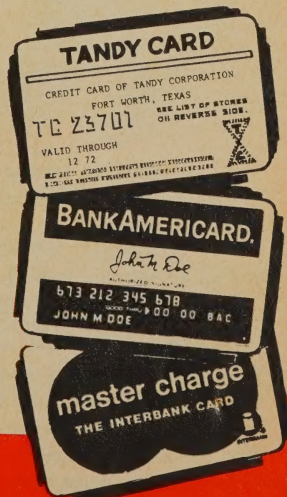
SEE PAGE 331 FOR FULL CREDIT DETAILS

When you shop in person

... use your TANDY credit card. This card is issued by Tandy Corp., parent company of Allied Radio Shack. It is honored at *all* Allied Radio Shack stores from coast to coast. No matter where you are—home or away—just show this card and you have “instant credit” at any of our 850 stores. Makes picking up your order easy, too. No delays, no money to pay. If you'd like a Tandy card of your own, you can get one when you send in a credit order via mail or when shopping at our stores. Or use your BankAmericard or Mastercharge card, honored at most of our stores.

CREDIT CARDS? YOU BET!

**YOU CAN USE THESE CARDS
WHEN SHOPPING IN PERSON
AT ALLIED RADIO SHACK**



Now... own YOUR OWN

ALLIED RADIO SHACK store



Within a few weeks from today you can be the outright owner of a money-making store like this... anywhere in the U.S.A. You get the full benefit of everything we've learned during our 50 years in the electronics business. The techniques we've perfected over the years start paying off for you immediately! It's a great business opportunity for men and women of vision who want a lucrative career without delay.

It's the greatest thing going in franchising

Allied Radio Shack, the nation's biggest electronics store chain (we're well on the way to 1000 stores), offers a wonderful opportunity for people who want a profitable retail business of their own. Chances are, you can join our "Partners in Profit" program. Interested? Read on!

What's an Allied Radio Shack "franchise" store?

An Allied Radio Shack store is 100% located, owned and operated—by its owner—under the Allied Radio Shack name. Your store can be located anywhere in the United States, perhaps right in your own neighborhood. A modest cash investment is required.

Good profits, great merchandise!

Each store is predominantly stocked with Allied Radio Shack's own products, which means you get higher gross margins *plus* products that cannot be bought from other stores or catalogs. The balance of the inventory is up to you, the store owner.

Our plan will make you a success!

You can do as much business in your location as if Allied Radio Shack had opened a company-owned store. Weighed against other franchise plans, or going into business entirely alone, our proven plan gives the important advantages that add up to financial success, real security and enjoyable work.

TEN SOLID ADVANTAGES

1. Sites available in 48 states—choose yours
2. Higher gross profit margins
3. Dynamic catalog and sales flyer ad program plus local newspaper ads for your own store
4. Expert assistance from the same Regional Manager who guides company-owned stores in your state
5. Nationally famous products priced "right" and built around products not sold by others
6. No royalties, no hidden management fees
7. No long-term financial commitment
8. Regional warehouses for your convenience
9. Fast turnover — more than twice industry average
10. Expert, creative merchandising

There is no big investment for you to make!

A new participant in our plan is required to pay a one-time franchise fee of \$3000, but this is returned to you in materials and services. You make no additional fee payments to Allied Radio Shack! You make no long-term financial commitment!

We can help arrange financing!

We'll gladly assist you in obtaining local financing for the required initial inventory of about \$20,000. Of this inventory, 75% is comprised of our own Allied Radio Shack products. The store owner also invests in fixtures and readying the store for operation. Working capital of \$3000 to \$5000 is recommended.

What about qualifications?

Previous business experience is helpful, but the main requirement is mostly old-fashioned hard, smart and accurate work with a desire to succeed.

APPLY NOW!

If you feel you qualify, if you want to be your own boss, if you want to win with a winner, if you want action without delay, phone collect or write—NOW—direct to:

V. P. "Tony" Bernabei
Allied Radio Shack Franchise
2617 West 7th Street
Fort Worth, Texas 76107
Phone: (817) 336-7163

NEW!

Built to beat all competition! Allied's 40-watt Stereo FM-AM Receiver has FET, silicon transistors and integrated circuit to bring in more stations, more clearly

- FET pulls in weak stations, rejects unwanted signals
- Silicon transistors for best sound ever at this price
- Tape monitor input • Loudness and speaker switches



179⁹⁵

no
money
down*

Model 435. Excitingly new! Gives you the important extras not found in other receivers with this power and price. Latest FM circuits and transformerless audio design bring you all the glorious realism of high-fidelity stereophonic broadcasts. And you get a fresh new-design tuning dial that is beautifully illuminated, but takes on a deep tint when power is off. A broad array of inputs and controls lets you add tape equipment, a record player and other music sources. All this at a low price.

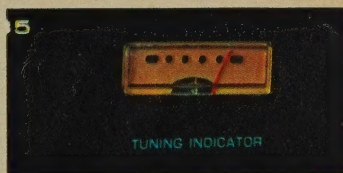
Important features include automatic FM stereo/mono switching; stereo indicator light and signal-strength tuning meter... lets you pinpoint stations. Slide-tune dial with smooth flywheel tuning. AFC locks in FM stations, banishes drift. Tape recording inputs, outputs and monitor. Loudness control provides full-range response even at low volume levels. Dual-concentric volume-balance control. Ganged bass and treble controls. Front-panel stereo headphone jack. Main/remote speaker switch.

Polarized, shortproof plug-in speaker connectors make short circuits a thing of the past. Fused output protection. Two AC convenience sockets on rear, one switched. Ferrite AM, FM dipole antenna. With metal case. Shown in optional walnut case below. 5x16x12 1/2". AC.

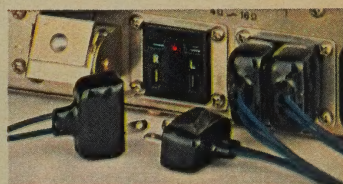
Model B 5001 U. Shpg. wt. 26 lbs. **179.95**
Model B 5012 X. Oiled Walnut Wood Case. Shpg. wt. 6 lbs. **19.95**

SPECIFICATIONS

AMPLIFIER. Power Output at 4 ohms: 40 watts ± 1 dB, 32 watts IHF, 11 watts per channel rms. Response: 20-40,000 Hz, ± 3 dB. Sensitivity: Mag. Phono, 4.0 mV; Tape, 200 mV. T.H.D.: Less than 1%. Hum and Noise: Mag. Phono, -60 dB; Aux., -65 dB. **FM CIRCUIT.** IHF Sensitivity: 2.5 μ V. T.H.D.: 1.2%. Separation: Over 25 dB. Selectivity: exceeds 20 dB. Signal-to-Noise Ratio: 55 dB. Capture Ratio, 2.5 dB. **AM CIRCUIT.** Sensitivity: 35 μ V. **CONTROLS.** Selector: (AM, FM Mono, FM Stereo, Phono, Auxiliary), Ganged bass and treble, dual-concentric volume, mono-stereo, tuning-meter, main/remote speaker, power, loudness, tape monitor. **Inputs:** tape, magnetic phono, aux., tape monitor. **Outputs:** 4-16 ohms, stereo headphones, remote speaker, recorder.



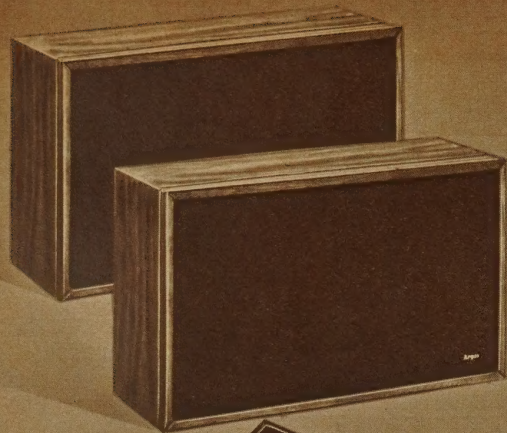
Tuning meter accurately indicates signal strength for finest reception



Polarized plug-in speaker connectors prevent shorts



Main/Remote speaker selector, other "expensive-model" controls



Save
\$160.85 **399⁹⁵**

Superb 40-watt Stereo FM-AM-Phono System with Argos 3-way 12" Speaker Systems

Allied 435 40-watt Stereo FM-AM Receiver	\$179.95
Garrard SL95B Automatic Turntable	129.50
Base for turntable	6.50
Empire 999TE/X elliptical-diamond-stylus Stereo Cartridge	64.95
Two Argos XL600 3-way 12" Speaker Systems	179.90
SEPARATELY	
System Price	\$560.80
YOU SAVE	\$399.95
	\$160.85

Deluxe system featuring Allied's 435 solid-state Stereo FM-AM Receiver. Garrard's finest Automatic Turntable for superb music reproduction, with a walnut base, and Empire's new 999TE/X elliptical-stylus Stereo Cartridge, providing you with precision tracking and outstanding record performance; a pair of Argos three-way 12" Speaker Systems; with big 12" woofers for resounding bass and compression horn tweeters for ultra-wide dispersion highs. See Note Below.
14 B 5017 D5Z. Shpg. wt. 110 lbs. **399.95**

NOTE: Includes all cables, plugs, premounted phono cartridge and Allied's Music System Booklet. Components are ready to connect together and play. Receiver includes walnut-look metal case, but is shown in optional wood case (order above). Speaker systems finished in walnut-veneer. Sent truck or express, see pages 328-330.

Systems featuring Allied's 435

Value-Plus! 40-watt Stereo FM-AM Phono System at a budget-pleasing price

Allied 435 40-watt Stereo FM-AM Receiver	\$179
Garrard 40 B Automatic Turntable	44
Base for turntable	5
Empire 909E/X diamond-stylus Stereo Cartridge	29
Two Allied 3007 Two-way 8" Speaker Systems	59
SEPARATELY	\$319
System Price	229
YOU SAVE	\$89

A A great ensemble of top quality components. Allied's exciting new 435 solid-state Stereo FM-AM Receiver has watts of clean power. Automatic Turntable with base, is design for outstanding record play with Empire's long-lasting diamond stylus Stereo Cartridge. Two Allied 8" walnut bookshelf Speaker Systems, each with an 8" woofer and 3 1/2" midrange provide rich bass and sparkling upper range reproduction. See Note Below.
34 B 5014 D5U. Shpg. wt. 76 lbs. **229**
31 B 5012 X. Oiled Walnut Wood Case. Shpg. wt. 6 lbs. **19**

Deluxe 40-watt Stereo FM-AM-Phono System with 3-way 10" Speaker Systems . . great value

Allied 435 40-watt Stereo FM-AM Receiver	\$179
Garrard SL55B Automatic Turntable	59
Base for turntable	5
Empire 999E/X elliptical-diamond-stylus Stereo Cartridge	39
Two Allied 3017 3-way 10" Speaker Systems	99
SEPARATELY	\$384
System Price	279
YOU SAVE	\$104

B Great-sounding system at terrific savings! You get the Allied 435 solid-state Stereo FM-AM Receiver, a four-speed Automatic Turntable with many great features for smooth and steady record play, with base, and an elliptical-stylus stereo cartridge for flawless tracking. A pair of Allied oiled-walnut 10" Speaker Systems with 3-way design: a 10" woofer for full bass, 6" cone-type midrange for pure middle frequencies and a 3 1/2" tweeter for brilliant wide-range dispersion with amazing realism and clarity. See Note Below.
34 B 5015 D5U. Shpg. wt. 87 lbs. **279**

Excellent 40-watt Stereo FM-AM-Phono System with 3-way 12" Speaker Systems

Allied 435 40-watt Stereo FM-AM Receiver	\$179.9
Garrard SL65B Automatic Turntable	79.1
Base for turntable	5.1
Shure M93E Deluxe elliptical-diamond-stylus Stereo Cartridge	39.9
Two Allied 3040 3-way 12" Speaker Systems	139.9
SEPARATELY	\$444.8
System Price	319.1
YOU SAVE	\$124.1

C Beautifully matched component system offers you the Allied 435 40-watt solid-state Stereo FM-AM Receiver. Famous Garrard 4-speed Automatic Turntable that provides exact-speed accuracy, with base, and Shure's superb M93E Stereo Cartridge that gives you perfect record tracking at low stylus pressure. Two Allied 12" bookshelf Speaker Systems in neat, space-saving cabinets offer full-range hi-fi reproduction. Each system has a huge 12" woofer, a 6" cone-type midrange and a 3 1/2" cone-type tweeter. Handsome walnut-veneer finished wood cabinets. See Note.
34 B 5016 D5U. Shpg. wt. 95 lbs. **319.9**

See page 331 for full Credit detail.

319⁸⁰ Save \$89.85 **(A)**

(B) Save \$104.85 **279⁹⁵**

(C) **319⁹⁵** Save \$124.85



Save \$124.85

299⁹⁵

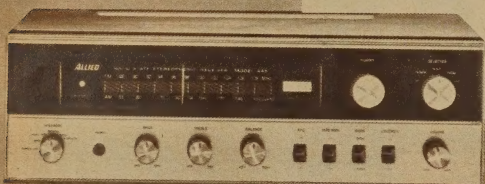
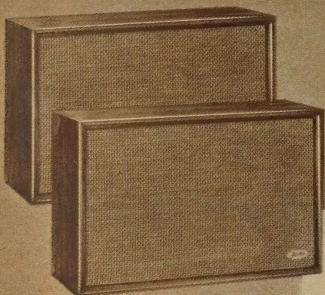
Stereo FM-AM Phono Systems

Economy 75-watt System

445 Stereo FM-AM Receiver	.....	\$229
Garrard SL55B Turntable	.....	59
Base for Turntable	.....	5
Shure M55E Stereo Cartridge	.....	29
Two Allied 3017 Speakers	.....	99
SEPARATELY		\$424
System Price		299
YOU SAVE		\$124

Exceptional value in a complete stereo system featuring Allied's new 75-watt stereo FM-AM receiver (takes optional wood case below); A famous Garrard automatic turntable, complete with base and one of today's precision-tracking stereo cartridges; plus a pair of Allied oiled walnut 3-way 10" Speaker System. *See Note Below.*

34 B 5020 D5U. Wt. 87 lbs.	.....	299
31 B 5012 X. Walnut Case. 6 lbs.	.....	19



Save \$144.85

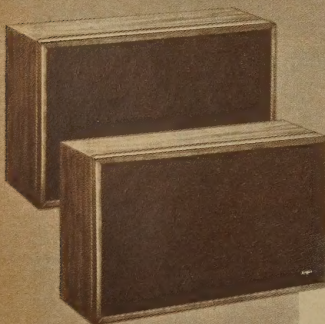
349⁹⁵

Deluxe 75-watt System

445 Stereo FM-AM Receiver	.....	\$229
Garrard SL65B Turntable	.....	79
Turntable Base	.....	5
Empire 999EX Stereo Cartridge	.....	39
Two Allied 3040 Speakers	.....	139
SEPARATELY		\$494
System Price		349
YOU SAVE		\$144

Enjoy the thrilling sound of true-to-life stereo realism with this superb stereo system. You get Allied's 445 stereo receiver (optional wood case above), Garrard popular SL 65B 4-speed automatic turntable; Empire light-tracking stereo cartridge for minimal record wear, superb reproduction; two Allied 3-way 12" speaker systems with acoustic suspension for great bass. *See Note Below.*

34 B 5021 D5U. Wt. 85 lbs.	349
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Save \$180.85

429⁹⁵

Our best 75-watt System

445 Stereo FM-AM Receiver	\$229
Garrard SL95B Turntable	129
Base for Turntable	.....	6
Empire 999TE/X Cartridge	.....	64
Two Argos XL600 Speakers	.....	179
SEPARATELY		\$610
System Price		429
YOU SAVE		\$180

Fabulous system of quality components featuring Allied's newest 75-watt stereo FM-AM receiver (takes wood case above); Garrard's best automatic turntable, with all the latest features for best record playback included; deluxe stereo cartridge; two Argos 12" speaker systems with acoustic suspension for thrilling stereo fidelity. *See Note Below.*

34 B 5022 D5Z. Wt. 110 lbs.	429
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NOTE: Systems include all cables and plugs, pre-mounted cartridge and Allied's Music System Booklet. Ready to connect together and play. Receiver described on page 11 includes metal case, but is shown in optional wood case. Sent truck or express, see pages 328-330.

NEW!

Allied 75-watt Stereo FM-AM Receiver with more extras, more refinements—like silicon transistors—for the best hi-fi sound ever in any medium-power receiver

- Silicon transistors throughout
- FET front end
- Three integrated circuits
- Tape monitor switch
- "Black-out" dial
- Speaker and loudness switches



229⁹⁵

no
money
down*

Model 445. Built to outvalue and outperform any other medium-power receiver on the market. It's the most feature-packed model ever offered at such a low price. Not only does it tune stereo FM, but you also get wideband AM. The FET front end pulls in the weak FM stations, but does not overload on strong, local stations. Silicon transistors are used exclusively to cut distortion to the vanishing point. Transformerless output gives you a full power bandwidth so that there is no loss of power at critical bass frequencies where you need all the power you can get.

FM circuit has Schmidt all-electronic automatic stereo-mono switching. Pre-amp offers facilities for all sources including tape monitor. Controls for bass, treble, volume, balance; speaker switch selects main, remote, both or off. Magic black out dial "disappears" when receiver is turned off; front-panel stereo headphone jack. Loudness control assures you full fidelity even at low listening levels. Slide-rule tuning dial, tuning meter and stereo indicator light assure accurate stereo FM tuning every time.

Built-in ferrite AM antenna, FM dipole. Two AC convenience outlets on rear for turntable, tape deck, etc. With transistor output protection, plus short-proof polarized speaker connectors. Comes with metal case. Shown in optional wood case below. 5 1/2 x 16 x 13 1/2".

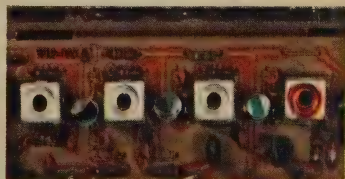
31 B 5002 U. Shpg. wt. 26 lbs.229.95
31 B 5012 X. Oiled Walnut Wood Case. Shpg. wt. 6 lbs.19.95

SPECIFICATIONS

AMPLIFIER CIRCUIT. Power Output at 4 ohms: 75 watts ± 1 dB; 60 watts IHF; 20 watts rms per channel. Frequency Response: ± 3 dB, 20-50,000 Hz. Sensitivity: Mag. Phono, 3.0 mV; Tape, 200 mV. Total Harmonic Distortion: 1.0%. Hum and Noise: Mag. Phono, -60 dB. Auxiliary, -70 dB. **TUNER CIRCUIT:** FM Section. IHF Sensitivity: 2.0 μ V. T.H.D.: 1.0%. Harmonic Distortion: 0.7%. Separation: 28 dB. Signal-to-Noise Ratio: -60 dB. Capture Ratio: 2.3 dB. AM Section. Sensitivity: 30 μ V. Inputs: Magnetic and ceramic phono, tape head, tape monitor, auxiliary. Outputs: 4 to 16 ohms; tape and stereo headphones. Power Requirement: 110-120 volts, 50-60 Hz. AC.



Signal-strength meter for
always perfect tuning



Schmidt all-electronic automatic
stereo-mono switching circuit



Polarized speaker connectors
make shorting a thing of the past

*See page 331 for full Credit details

Allied 125-watt Stereo FM-AM-phono Systems . . hi-fi to fit any budget

A Special 125-watt System

Allied 490 Stereo FM-AM Receiver	\$299.95
Garrard SL65B 4-speed Automatic Turntable	79.95
Base for turntable	5.50
Empire 999E/X elliptical-stylus Stereo Cartridge	39.95
Two Allied 2330A 3-way 12" Speaker Systems	159.95
Separately	\$584.95
System Price	\$399.95
YOU SAVE	\$184.95

High-performance 125-watt stereo FM-AM-phono system featuring the Allied 490 Receiver. Also includes a precision speed automatic turntable with exclusive Synchro-Lab motor for constant record play, complete with base, plus one of Empire's newest light-tracking Stereo Cartridges that lets you play your most prized records over and over without wear; two Allied three-way 12" Speaker Systems, each with a big 12" woofer for really deep bass, 6" midrange for pure midrange sound, and a 3 1/2" cone tweeter for brilliant, sparkling treble response beyond the audio range. Wood enclosures have handsome walnut veneer finishes. See Note Below.

34 B 5026 D5Z. Shpg. wt. 113 lbs. \$399.95

B Deluxe 125-watt System

Allied 490 Stereo FM-AM Receiver	\$299.95
Garrard SL75B 3-speed Automatic Turntable	109.95
Base for turntable	6.50
Shure M91E elliptical-stylus Stereo Cartridge	49.95
Two Argos XL600 3-way 12" Speaker Systems	179.95
Separately	\$645.95
System Price	\$449.95
YOU SAVE	\$195.95

Selected to provide top value for your stereo dollar. You get Allied's all-new full-featured 125-watt solid-state stereo FM-AM Receiver; a three-speed Garrard Automatic Turntable, with some of today's "most wanted" features, wood base included, and one of Shure's finest elliptical-stylus Stereo Cartridges for superb light, ultra-smooth record play; two Argos XL-600 three-way 12" Speaker Systems, each featuring a huge 12" woofer for truly big bass response without a trace of distortion. Each speaker system comes in attractive oiled walnut veneer finish. See Note Below.

34 B 5024 D5Z. Shpg. wt. 112 lbs. \$449.95

C Our finest 125-watt System

Allied 490 Stereo FM-AM Receiver	\$299.95
Garrard SL95B 3-speed Automatic Turntable	129.95
Base for turntable	6.50
Empire 999TE/X elliptical-stylus Cartridge	64.95
Two Goodmans G20 3-way 12" Speaker Systems	199.95
Separately	\$700.95
System Price	\$499.95
YOU SAVE	\$200.95

The ultimate value and performance in a 125-watt stereo FM-AM system featuring the 490, the most exciting Receiver of the year; also Garrard's finest Automatic Turntable, loaded with features every audiophile dreams of, complete with base and Empire's newest elliptical-stylus Stereo Cartridge, super-light tracking with specially-attached groove cleaning brush, and two superb three-way 12" acoustic suspension Speaker Systems, each featuring a 12" woofer that reproduces outstanding natural bass response. Handsome oiled walnut veneer enclosures. See Note Below.

34 B 5025 D5Z. Shpg. wt. 130 lbs. \$499.95



Save **\$134.85** **369.95**

**Our lowest priced 125-watt System
featuring Allied 10" speaker systems**

Allied 490 Stereo FM-AM Receiver	\$299.95
Garrard SL55B Automatic Turntable	59.50
Base for turntable	5.50
Empire 999E/X Stereo Cartridge	39.95
Two Allied 3017 3-way 10" Speaker Systems	99.90
Separately	\$504.80
System Price	\$369.95
YOU SAVE	\$134.85

Superior system featuring Allied's new 125-watt stereo FM-AM Receiver; famous Garrard 4-speed Automatic Turntable with base and one of today's finest Stereo Cartridges for superb reproduction and ultra-gentle handling of your records; two oiled walnut veneer Allied three-way 10" Speaker Systems, each with a big 10-inch woofer, 8-inch midrange and a 3 1/2-inch cone-type tweeter specially mounted in a rugged wood enclosure for resounding bass and brilliant, crystal-clear high frequencies. See Note Below.

34 B 5023 D5U. Shpg. wt. 89 lbs. \$369.95

34 B 5008 X. Oiled Walnut Case. Shpg. wt. 6 lbs. \$19.95



399⁹⁵ Save \$184.85



Save \$200.85 **499⁹⁵**



449⁹⁵ Save \$195.85



NEW!

Pacesetting Allied 125-watt Stereo FM-AM Receiver heads up the pack with new and advanced features for better hi-fi sound and extra value

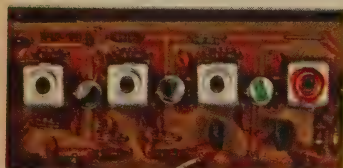
- Four Integrated circuits • All silicon transistors
- Switches for loudness, tape monitor and speakers
- FET's for finest FM • New "black-out" dial face



Tone defeat switch assures flat response when desired



FM muting switch eliminates between-station noise



Automatic all-electronic Schmidt FM switching circuit

299⁹⁵ no money down*

Model 490. A remarkable value by *any* standard of comparison! Many of the costly features and performance characteristics of today's most advanced receiver technology have been built into this receiver . . . and it's offered to you at the lowest possible price. You get powerful, yet strikingly pure music reproduction, and luxurious styling that permits unrestricted placement in the home. Field-effect-transistor front-end for near-perfect reception of even the weakest signals. 4 integrated circuits in the IF stages assure studio-monitor quality FM. Tremendous 125-watt power drives virtually any speaker systems to magnificent stereo. Wideband AM performance, too.

FM muting switch lets you tune any station from a background of silence, not noise. Electronic automatic stereo-mono switching. Silken-smooth flywheel tuning. Signal-strength meter and stereo indicator light for always-perfect tuning. Facilities for all music sources. Dual-concentric bass and treble controls; unique tone defeat circuit assures you of absolutely flat response at the flick of a switch without readjustment of bass and treble controls.

Stereo headphone jack. "Black-out" dial darkens panel when receiver is not in use. Built-in AM antenna, FM dipole. Shortproof speaker connectors. Speaker switch selects main/remote/both/off. With metal case. Shown in optional oiled walnut wood case below. 5x16x12". AC.

31 B 5003 U, Shpg. wt. 28 lbs. **299.95**
31 B 5008 X, Oiled Walnut Wood Case. Shpg. wt. 6 lbs. **19.95**

SPECIFICATIONS

AMPLIFIER CIRCUIT. Power Output at 4 ohms: 125 watts ± 1 dB, 100 watts IHF, 33 watts per channel rms. Frequency Response: ± 3 dB, 20-70,000 Hz. Sensitivity: Magnetic Phono, 2.8 mV; Tape, 200 mV. Harmonic Distortion: less than 1%. Hum and Noise: Magnetic Phono, -62 dB; Auxiliary, -70 dB. **FM CIRCUIT.** IHF Sensitivity: 1.8 μ V. T.H.D.: 1.0%. Separation: better than 30 dB. Signal-to-noise Ratio: 65 dB. Capture Ratio: 2.0 dB. **AM CIRCUIT.** Sensitivity: 30 μ V. Inputs: Magnetic and ceramic phono, tape head, tape monitor, auxiliary. Outputs: 4 to 16 ohms; tape and front panel stereo headphone jack. Power Requirement: 110-120 volts, 50-60 Hz AC.

*See page 331 for full Credit details



Stereo FM-AM-Phono Systems with Allied's 195-watt Receiver

Allied 495 Stereo Receiver.....	\$349.95
Garrard SL65B Changer.....	79.50
Base for Changer.....	5.50
Two Allied 3040 3-way 12" Speaker Systems.....	139.90
Shure M44E Stereo Cartridge.....	24.95
SEPARATELY	\$599.80
System Price	439.95
YOU SAVE	\$159.85

Great system at great savings. You get a receiver with 195 watts of power, an automatic turntable, with base, designed for outstanding record play, an elliptical-diamond-stylus stereo cartridge for flawless tracking. Three-way 12" speaker systems reproduce the entire audio range with amazing realism and clarity. *See Note below.*

34 B 5011 D6U. Shpg. wt. 89 lbs.....439.95
34 B 5014 X. 495 Wood Case. 6 lbs.....19.95

Save \$159.85

439⁹⁵

Deluxe 195-watt System

Allied 495 Stereo Receiver.....	\$349.95
Garrard SL65B Changer.....	79.50
Base for Changer.....	5.50
Two Argos XL600 3-way 12" Speaker Systems.....	179.90
Empire 999E/X Stereo Cartridge.....	39.95
SEPARATELY	\$654.80
System Price	469.95
YOU SAVE	\$184.85

Music lover's delight! 4-speed automatic turntable includes base, three-way 12" speaker systems for really great sound. Elliptical-diamond stylus cartridge. *See Note below.*

34 B 5012 D5Z. Shpg. wt. 113 lbs.....469.95

Connoisseur 195-watt System

Allied 495 Stereo Receiver.....	\$349.95
Garrard SL72B Changer.....	89.50
Base for Changer.....	6.50
Two Goodmans G-20 3-way 12" Speaker Systems.....	199.90
Empire 999TE/X Stereo Cartridge.....	64.95
SEPARATELY	\$710.80
System Price	499.95
YOU SAVE	\$210.85

Garrard 3-speed turntable has cuing/pause control, Auto-Rise® record platform. Famous Goodmans acoustic-suspension speaker systems. Deluxe cartridge. *See Note below.*

34 B 5013 D5Z. Shpg. wt. 132 lbs.....499.95

Save
\$184.85

469⁹⁵

Save
\$210.85

499⁹⁵

NOTE: Includes all cables, plugs, pre-mounted phono cartridge and Allied's Music System Booklet. Receiver includes walnut-look metal case, but is shown in optional wood case (order above). Speaker systems finished in walnut-veneer. Sent truck or express, see pages 327-330.

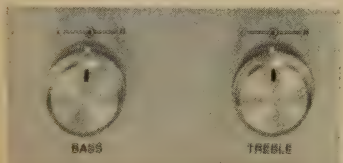
NEW!

Experts raved about the Allied 195-watt Stereo FM-AM Receiver last year. Now it's even better with new IC's, black-out dial and dual meters for always-perfect tuning.

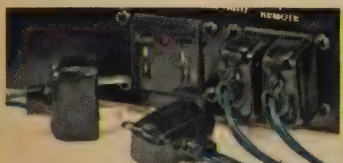
- Sensitive FET front end for pulling in more stations
- New integrated circuits for near-perfect FM reception
- Interstation muting • Silicon transistors throughout



Center channel and signal/strength meters for double-accurate tuning



Ganged bass and treble controls for precise sound adjustment



Plug-in speaker connectors prevent shorts or overloads

349⁹⁵ no money down*

Model 495. One of the most exciting stereo receivers of all time. Same features as last year's 195-watt model but with more extras, fresh styling and even better hi-fi performance. A center-of-channel tuning meter has been added to the signal-strength meter for precision-perfect tuning of every station, FM or AM. A new front-panel microphone jack is a real convenience for recording, or singing or playing along with music. New black-out dial, softly illuminated in green, "disappears" when power is switched off.

Improved circuit, with FET front end and computer-quality IC's, pulls in stations all across the dial, including weaker stations other receivers may not get at all. Dual-tuned IF stages reject unwanted signals. Interstation silencing on FM. All silicon-transistor circuit has the reserve power you need for undistorted stereo at all frequencies, all volume levels. Full-feature preamp has ganged bass and treble controls for adjusting channels individually or together. Flip-switch selects AM, mono FM, automatic stereo FM, phono, aux, plus tape head with equalization for 3 $\frac{1}{2}$ or 7 $\frac{1}{2}$ ips.

Five-way switch for AC power, main speakers, remote speakers, main-plus-remote speakers, speakers off. Mode/monitor switch for stereo, left and right channels. Stereo headphone jack. With walnut-look metal case. Shown in optional wood case below. 5 $\frac{1}{2}$ x16x13 $\frac{3}{4}$ ".

31 B 5004 U. Shpg. wt. 30 lbs. 349.95
31 B 5014 X. Oiled Walnut Wood Case. Shpg. wt. 6 lbs. 19.95

SPECIFICATIONS

AMPLIFIER CIRCUIT. Power Output at 4 ohms: 195 watts \pm 1 dB; 160 watts IHF; 55 watts rms per channel. Frequency Response: \pm 1.5 dB, 15-100,000 Hz. Sensitivity: Mag. phono, 2.5 mV; Tape, 180 mV. T.H.D.: 1%. Harmonic Distortion: 1%. Hum and Noise: Mag. phono, -63 dB. Aux., better than -70 dB. **TUNER CIRCUIT: FM SECTION.** IHF sensitivity: 1.4 μ V. T.H.D. 0.7%. Harmonic Distortion: 0.8%. Separation: better than 32 dB. Signal-to-noise Ratio: 69 dB. Capture Ratio: 1.95 dB. **AM SECTION.** Sensitivity: better than 30 μ V. **INPUTS:** Magnetic and ceramic phono, tape head, tape monitor, auxiliary and microphone. **Outputs:** 4 to 16 ohms; tape and stereo headphones. **Power Requirement:** 110-120 volts, 50-60 Hz AC.

*See page 331 for full Credit details



Allied's finest 195-watt Stereo FM-AM-Phono System

Save \$215.85 599⁹⁵

Allied Model 495 195-watt Stereo FM-AM Receiver	\$349.95
Garrard SL95B 3-speed Automatic Turntable	129.50
Base for turntable	6.50
Pickering XV-15/400E elliptical-stylus Stereo Cartridge	49.95
Two Allied Model 2373 3-way 12" Speaker Systems	279.90
SEPARATELY	\$815.80
System Price	599.95
YOU SAVE	\$215.85

This music system is designed to bring you flawless reproduction of any music source at a fantastic savings. Stereo Receiver offers full-feature versatility and delivers a tremendous 195-watt output for concert hall realism without a trace of distortion. The 3-way acoustic-suspension speaker systems are the finest Allied 12" bookshelf systems available, each containing a 12" woofer, horn midrange and horn tweeter for startlingly natural sound. SL95B is Garrard's finest, most critically-acclaimed automatic turntable, with every feature for perfect record play, base included. Combined with the Pickering XV15/400E stereo cartridge, you can enjoy maximum performance with minimum record wear. See Note below.

34 B 5008 D6Z. Shpg. wt. 157 lbs. **599.95**

Our finest 195-watt System plus Allied 3-head Stereo Tape Deck

Separately, \$995.75. A music lover's dream! Our finest music system, shown above, plus Allied's TD-1099 Tape Deck... giving you outstanding performance and the utmost in flexibility. Tape deck has all the provisions you'll need for superb recording and playback. Record stereo broadcasts, LP's, or live with mikes. Boasts three heads for tape monitoring, sound-on-sound, many other exciting extras. See Note below.

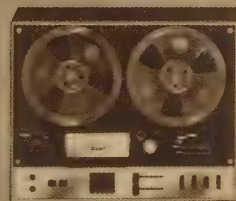
34 B 5009 D6Z. Shpg. wt. 171 lbs. **729.95**

.. or with Allied's 8-track Stereo record/play Cartridge Deck

Separately, \$975.75. Add the convenience of a high-fidelity 8-track stereo cartridge play/record Deck to one of the finest music systems ever. Plays all 8-track pre-recorded cartridges or lets you tape from FM, AM, or records. Has features rarely found in cartridge players, including fast-forward control, automatic eject, headphone jack, silicon-transistor circuit, and more. See Note below.

34 B 5010 D6Z. Shpg. wt. 150 lbs. **719.95**

System with Allied 3-head Stereo Tape Deck



Save \$265.80 729⁹⁵

System with Allied 8-track cartridge record/play Deck



Save \$255.80 719⁹⁵

NOTE: Includes all cables and plugs, pre-mounted phono cartridge and Allied's Music System Booklet. Components are ready to connect together and play. Receiver, described on page 16, includes walnut-look metal case, but is shown in optional wood case. Speaker Systems have walnut-veneer finish. Sent truck or express, see pages 328-330. Tape units less mikes.

499⁹⁵

NEW! Allied's own 350-watt Stereo FM-AM Receiver... quite possibly the world's finest!

Model 498. Finest and most powerful Allied receiver ever. Built to outperform, outvalue any stereo receiver at any price. Its super-powerful amplifier uses all silicon-transistors to pour out 170 watts of rms power, more than enough to satisfy the fussiest hi-fi perfectionist. The sophisticated FM circuit has pushbutton automatic power tuning that sweeps across the dial, in either direction, stopping *perfectly tuned* at every station. Or you can program it to stop only on stations broadcasting in stereo. Center-of-channel and signal-strength meters are included for manual tuning, too. Muting switch eliminates all between-station noise. FET's and dual crystal filters that never need realignment, combine to bring in hard-to-get FM stations yet reject interference and overloading by strong, local stations. Deluxe AM circuit gives FM-type fidelity on most strong-signal AM stations.

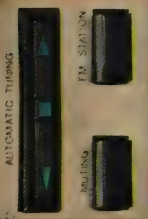
SPECIFICATIONS: AMPLIFIER. Power Output at 4 ohms: 350 watts ± 1 dB, 280 watts IHF, 85 watts rms per channel. Response: 8-100,000 Hz. Sensitivity: Magnetic Phono, 2.0 mV, Tape, 180 mV. T.H.D.: less than 0.8%. Hum and Noise: Magnetic

The preamp has every important feature. High and low filters. Bass and treble controls for precise sound tailoring. Tone-defeat switch to remove tone controls from circuit for truly flat response when desired. Loudness switch for full bass at low volume. Two stereo headphone jacks. Tape monitor input and output jacks on front and rear panels for ultimate convenience in dubbing tapes. Also has shortproof speaker connectors, beautiful black-out dial, stereo FM indicator light, two AC convenience outlets (one switched), two magnetic phono inputs, two aux inputs, switching for two speaker systems, switch for stereo, stereo reverse, left, right, and left plus right. With metal case. Shown in optional wood case, below. 8x21x14".

31 B 5005 U. Shpg. wt. 40 lbs. **499.95**
31 B 5009 X. Oiled Walnut Wood Case. Shpg. wt. 6 lbs. **29.95**

Phono, -65 dB, -80 dB. FM CIRCUIT. IHF Sensitivity: 1.25 μ V T.H.D.: 0.5%. Separation: Over 35 dB. Signal-to-Noise Ratio: 70 dB. Capture Ratio: 1.5 dB. AM CIRCUIT. Sensitivity: 25 μ V. Power Requirement: 110-130 V, 60 Hz AC.





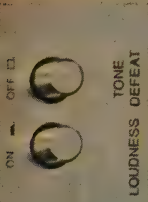
Automatic Power-Drive
Tuning scans and locks on FM or stereo-only FM stations



Crystal Filters in the IF stages for phenomenal FM selectivity



Front-panel tape inputs let you dub tapes without removing receiver from cabinet



Tone Defeat Switch cuts all tone controls from circuit for flat response



Dual Headphone outputs for private stereo listening for two people



Center-channel meter plus signal-strength meters make perfect manual tuning simple



Plug-in Speaker Connectors make speaker phasing easy, prevent short circuits



Save \$214.85



Save \$265.85

Superb Allied Stereo FM-AM-Phono System 579.95

[A] Separately, \$794.80. Super-powerful stereo system. Features the Allied 498 Receiver with metal case; optional wood case (see above). Garrard SL65B 4-speed Automatic Turntable with Synchro-Lab motor; with Base. Empire's new 999SE/X Elliptical-stylus Stereo Cartridge for flawless tracking; two Allied 2330A 3-way Speaker Systems for superb stereo performance. See Note on page 16.
34 B 5001 D5Z. Shpg. wt. 125 lbs. **\$79.95**
Separately, \$865.80. As above, but with two Allied 2315 3-way 12" acoustic-suspension Speaker Systems and Garrard SL72B Automatic Turntable with Shure M91E Cartridge. Wt. 135 lbs.
34 B 5002 D5Z. Save **\$245.85** **\$619.95**

Allied's Stereo FM-AM-Phono System 699.95 for perfectionists

[B] Separately, \$965.80. The stereo system everyone dreams of... now at huge savings! Featuring Allied's magnificent 498 Receiver with metal case, optional wood case may be ordered above; Garrard's finest Automatic Turntable, the SL95B, providing every feature for truly perfect record play with base. Empire's 999SE/X Elliptical-stylus Stereo Cartridge for super-light record tracking, brilliant performance, and a pair of Allied 2373 3-way 12" acoustic suspension Speaker Systems, with a distortionless frequency range of 20-20,000 Hz; for window-rattling bass to ultra-clean highs beyond audibility. In beautiful oiled walnut veneer finish. See Note on Page 16.
34 B 5003 D5Z. Shpg. wt. 160 lbs. **\$999.95**

"Dream System" with Allied Tape Deck

Save \$295.80
849.95



Separately, \$1145.75. Our perfectionist's system, described at left, plus Allied TD-1099 4-track Stereo Tape Deck with 3 heads for tape monitoring, sound-on-sound, many other exciting professional effects. 12 1/2 x 16 x 8 3/4". A great value!
34 B 5004 D6Z. Shpg. wt. 181 lbs. **\$1499.95**



Save \$54.90 **139⁹⁵**



Save \$84.85 **189⁹⁵**

Allied low-priced 30-watt Stereo FM-AM-Phono Systems

Allied 426 Ensemble with 8" speaker systems

Allied 426 30-watt Stereo FM-AM Receiver	\$99.95
Garrard 30 4-Speed Automatic Turntable with Stereo Cartridge	39.50
Base for Garrard Turntable	5.50
Two Allied 3007 2-way 8" Speaker Systems	49.90

SEPARATELY \$194.85
System Price **139.95**
YOU SAVE **\$54.90**

This complete component hi-fi stereo system is priced as low as many phonos! Includes a 30-watt stereo FM-AM receiver that's loaded with features and comes in a handsome walnut veneer wood case, a famous Garrard automatic turntable featuring a built-in stereo cartridge with long-lasting diamond stylus and base for excellent record performance at any one of four (16%, 33 1/4, 45 and 78 rpm) speeds, a pair of two-way 8" bookshelf speaker systems designed to give you really big speaker sound. See Note Below.

34 B 5028 D5U, Shpg. wt. 71 lbs. **139.95**

Allied 426 Ensemble with 10" speaker system

Allied 426 30-watt Stereo FM-AM Receiver	\$99.95
Garrard 40B Automatic Turntable	44.85
Base for Garrard Turntable	5.50
Shure M44E elliptical-stylus Stereo Cartridge	24.90
Two Allied 3017 3-way 10" Speaker Systems	95.90

SEPARATELY \$274.85
System Price **189.95**
YOU SAVE **\$84.85**

An excellent stereo system selected to give you great performance, priced to offer you big savings. Includes the n Allied 426 solid-state Stereo FM-AM Receiver with oiled walnut case, a famous Garrard four-speed Automatic Turntable w base, an elliptical-stylus stereo cartridge designed to tra today's demanding record grooves with minimum force perfect record play. Two speaker systems, each with 10" woo 6" midrange and 3 1/2" tweeter for brilliant sound reproduct across the entire audio range. See Note Below.

34 B 5027 D5U, Shpg. wt. 81 lbs. **189.95**

NOTE: Includes all cables, plugs, pre-mounted phono cartridge and Allied's Music System Booklet. Components are ready to connect together and play. Model 426 includes a walnut-veneer wood case. Speaker systems are finished in walnut-veneer. Sent truck or express, see pages 327-329.

NEW! Lowest priced Allied Stereo FM-AM Receiver brings you higher-priced extras at a cost never before thought possible



Model 426. Only Allied could offer a *solid-state* stereo FM-AM receiver with so many features for under \$100. Boasts an all-semiconductor circuit that pulls in full-fidelity stereo FM plus good-quality AM, and packs 30 clean watts of peak power for room-filling volume without distortion. Includes selector switches and inputs for tape deck or tape player and a rear-panel phono input for magnetic or ceramic cartridge. Has separate bass, treble controls, channel balance controls, AFC/on-off switch. Features D'Arsonval signal-strength tuning meter, illuminated slide-rule dial; panel light flashes on to indicate FM stereocasts. Built-in FM, AM antennas. Includes handsome all-wood case with walnut veneer. 5x16x12 1/2".

B 5013 U. Shpg. wt. 21 lbs. **99.95**

SPECIFICATIONS. FM Circuit. Sensitivity: 3 μ V for 30 dB quieting. *Image Rejection:* 55 dB. *Channel Separation:* 25 dB. **AM Circuit.** *Image Rejection:* 36 dB. **Amplifier Circuit.** *Power at 4 ohms:* 19 watts \pm 1 dB; 15 watts 1HF; 7.5 watts rms. *Response:* 40-20,000 Hz. *Harmonic Distortion:* 1.5%. *Inputs:* Magnetic, Ceramic Phono; Preamplified Tape. *Outputs:* 4-16 ohms, headphone. *Power Requirement:* 110-120 V, 60 Hz AC.

99⁹⁵

Get it
on Credit

- Magnetic-ceramic phono input on rear of panel
- Stereo FM beacon light
- D'Arsonval tuning meter
- Stereo headphone jack
- Includes oiled-walnut case

169⁹⁵

no
money
down*

Allied Model 426 Stereo FM-AM Receiver **\$99.95**
Garrard 30 Automatic Turntable .. **39.50**
Turntable Base **5.50**
Two Allied 3017 3-Way 10" Speaker Systems **99.90**

SEPARATELY **\$244.85**
System Price **169.95**
YOU SAVE **\$74.90**

An honest-to-goodness *component* stereo system actually priced as low as many portable phonos! Includes the new Allied Model 426 solid-state Stereo FM-AM Receiver with walnut-veneer wood case, Garrard 30 Four-Speed Automatic Turntable with ceramic stereo cartridge and long-lasting diamond stylus, complete with Base, and two Allied 3017 three-way 10" walnut bookshelf Speaker Systems. Each has 10" woofer for rich bass, plus 6" cone mid-range speaker and 3 1/2" cone tweeter for brilliant upper-range reproduction. System complete with all necessary audio cables, connectors and Allied's Music System booklet. Shpg. wt. 81 lbs.

B 5007 D5U **169.95**

Save \$74.90 on a Stereo FM-AM-Phono System with Allied Receiver and Garrard Turntable



See page 331 for full Credit details

Special savings on 90-watt Sansui FM-AM Receiver



Now only
239⁹⁵
Save
\$32.50

All-silicon-transistor Stereo Receiver with FET's and walnut wood case

Model 800. Separately \$272.45. Style, fine design, quality, wide frequency response, a richness of sound that will surprise you, plus a big \$32.50 savings! We've cut the price on the receiver and included the wood case for a really sensational value! Careful engineering and advanced design assure you outstanding performance. Features high-efficiency silicon-solid-state circuit with field-effect transistors in front-end and every feature for high sensitivity with exceptional station pull-in power and excellent selectivity for rejection of undesired stations. And not the least of its features is the long, trouble-free life you can expect of its solid-state design and rugged components. Furnishes really exciting listening that will be a constant source of pleasure and satisfaction. There is plenty of power for a dynamic range that will reproduce with beauty and clarity any kind of music you want to listen to—with a rich, full bass that will delight

you. Has an array of controls that puts you in command of stereo and mono functions. The FET tuner brings in your favorite FM stations clearly, easily, superbly. Tuning meter and station beacon light make tuning easy and accurate. . . interstation muting on FM makes tuning quiet and smooth. Tape monitor lets you listen to tapes as you record them, insuring quality recordings every time. Speaker-selector switch allows selection of primary or secondary speakers or both when external speakers are used. Stereo headphone jack for private listening. Power output at 4 ohms: 90 watts ± 1 dB, 70 watts IHF, 28 watts rms per channel. Response: ± 1 dB, an exceptional 15-50 Hz. Sensitivity: an excellent 2.8 μ V. $4\frac{1}{2} \times 15\frac{1}{2} \times 13\frac{1}{2}$ ". You'll be proud to own and display this fine receiver. Comes complete with walnut wood case. AC.

34 B 5033 D2U. Shpg. wt. 30 lbs. 23

Top-value Music System with Garrard SL55B and Allied 2-way 8" Speakers



Sansui 800 Stereo FM-AM Receiver \$249.95
Walnut Wood Case for Receiver 29.95
Garrard SL55B 4-speed Automatic Turntable 59.95
B-1 Base for turntable 19.95
Empire 909E/X Stereo Elliptical Cartridge 29.95
Two Allied 3004 8" Speaker Systems 79.95

SEPARATELY \$249.95
SYSTEM PRICE 299.95
YOU SAVE 147.35

Perfectly matched music system features the Sansui Receiver with field-effect-transistor front-end and silicon solid-state circuit with interstation muting on FM, 1000 Hz monitor, and many other extras . . . see above for description. With oiled-walnut wood case.

Famous Garrard 4-speed Automatic Turntable features Synchro-Lab motor for constantly perfect speed accuracy. Has tubular pickup arm with fixed counterbalance, convenient stylus-pressure adjustment. Cueing lever raises arm without touching it. Oversize turntable, two spindles. Automatic record intermix. Automatic or manual operation at all four speeds. Empire 909 Stereo Cartridge with elliptical diamond stylus. Complete with handsome walnut base.

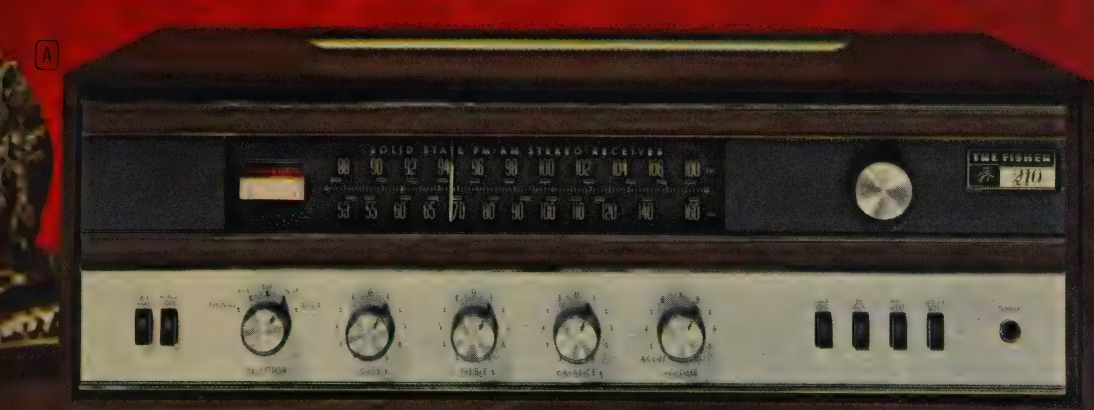
Two Allied 2-Way 8" Speaker Systems enclosed in walnut-veneer cabinets with hand-rubbed oiled-walnut finish. Each has 8" woofer with big 1 $\frac{1}{2}$ -lb. barium-ferromagnet structure for rich, full-bodied base; 3 $\frac{1}{2}$ " diameter radiator tweeter with $\frac{1}{2}$ " voice coil and 5.4-oz. Alnico V magnet structure for thrilling highs without distortion. Response: 45-17,000 Hz. Power capacity, 30 watts per channel. 8 ohms. With all cables, Music System Booklet.

34 B 5034 D6U. Shpg. wt. 74 lbs. 29



Save **\$147.35**
299⁹⁵

Totally compatible
component system gives
superb stereo realism



Fisher Stereo Receivers with FETs, integrated circuits and other deluxe features for superlative performance

A 110-watt Stereo FM-AM Receiver with silicon solid-state circuit

299⁹⁵
less case

Model 210-T. This handsome stereo receiver represents a remarkable value for a component of such advanced design and features. Your FM listening pleasure will be enhanced with this receiver because of the field-effect-transistor construction in the front-end, coupled with an integrated circuit IF strip for superior performance and reliability. Pulls in even distant and weak stations and rejects unwanted stations for magnificent life-like stereo.

The AM section's wideband design means you will get AM performance of exceptional clarity and depth. The receiver's powerful output will drive two pairs of speaker systems. The complete array of controls includes muting, loudness contour, tape monitor, stereo indicator light, and a main/remote speaker switch. Front-panel stereo headphone jack.

The receiver's good-looking, brushed silver front panel may be further complemented by the addition of the optional walnut case listed below. Output at 8 ohms: 110 watts ± 1 dB; 90 watts IHF; 33 watts rms per channel. Response: ± 2 dB, 35-15,000 Hz. Sensitivity: 2 μ V. 4 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x12 $\frac{3}{4}$ ". AC.

31 B 6001 U. Shpg. wt. 18 lbs..... **299.95**
31 B 6002 X. Walnut Vinyl Wood Case. Shpg. wt. 8 lbs..**19.95**

B 180-watt Stereo FM-AM Receiver with AutoScan automatic tuning

399⁹⁵
less case

Model 450-T. Here is a truly magnificent receiver with all the extra features the avid audiophile could want for sheer stereo listening enjoyment. The unit's front end is constructed with field-effect-transistors, and an integrated circuit IF strip to give you the finest in FM stereo sensitivity and selectivity. An equally fine, wide-band section provides you with superb AM performance.

Fisher's AutoScan tuning allows you to sweep the FM dial at the touch of a button for new stations, and locks in with electronic accuracy for the best possible reception. Free Remote Control Unit is included. The muting switch gives the user between-station quieting to filter out unwanted noise.

The control panel is complete and comprehensive, so it is easy to obtain the sound that is exactly right for you. Among these features are; two sets of recording inputs, a tape monitor, main/remote speaker switches, and a stereo headphone jack. Power Output at 8 ohms: 180 watts ± 1 dB, 130 watts IHF, 55 watts rms per channel. Response: ± 2 dB, 20-25,000 Hz. Sensitivity: 2.0 μ V. 5 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x14 $\frac{1}{4}$ ".

31 B 6003 U. Shpg. wt. 25 lbs..... **399.95**
31 B 6002 X. Walnut Vinyl Wood Case. Shpg. wt. 8 lbs..**19.95**



RECEIVERS

FISHER

Fisher Stereo FM-AM Receivers

100 watts,
FETs and ICs

249⁹⁵
less
case

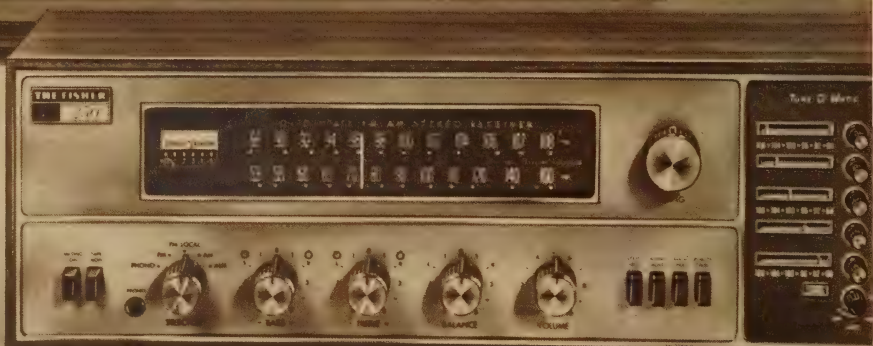


A

120 watts,
pushbutton tuning

349⁹⁵
less
case

B



C

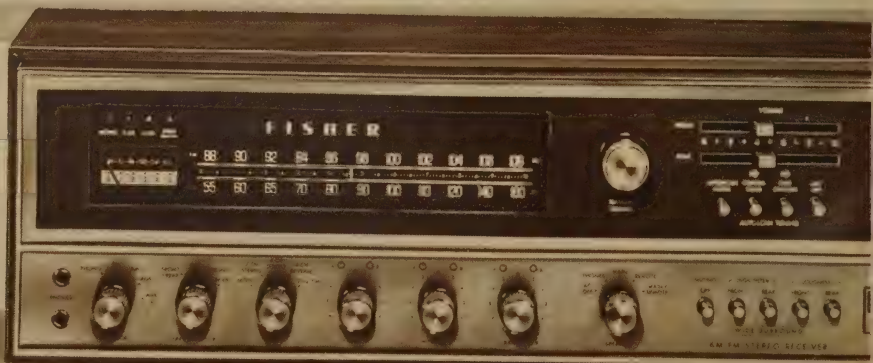
200 watts,
automatic and
pushbutton tuning

499⁹⁵
less
case

D

FOUR-CHANNEL
250-watt
Receiver

699⁹⁵
less
case



Fisher Receivers with newest features for superb stereo

A NEW 100-watt Stereo FM-AM Receiver has FETs and ICs for magnificent performance

Model 202. Here's a solid new performer that has been added to the Fisher line, to provide every audiophile with enjoyment and versatility at a modest price. It gives you enough power to drive most speakers, while including the most-wanted features Fisher has become famous for. The large, slide rule dial provides the user with accurate station selection. Interstation muting gets rid of unwanted noise while tuning, and "pinpoints" each station for easier selection. All silicon-transistor circuit with integrated circuits in the IF strip, and field-effect-transistors in the front-end. Wide-band AM circuit for superior reception. Controls include tape monitor, main/remote speaker switch, bass, treble and volume controls. Inputs for all sound sources. Power Output at 8 ohms: 100 watts ± 1 dB, 80 watts IHF, 28 watts per channel rms. Response, ± 2 dB, 20-20,000 Hz. Sensitivity: 2.5 μ V. $4\frac{3}{8} \times 15 \times 14\frac{1}{4}$ ". Takes case below.

31 B 6038 U. Shpg. wt. 18 $\frac{1}{2}$ lbs. **249.95**
31 B 6039 X. Walnut Vinyl Wood Case. Shpg. wt. 8 lbs. **14.95**

B 120-watt Stereo FM-AM Receiver features Tune-O-Matic pushbuttons for 5 FM stations

Model 250-TX. This receiver brings you Fisher's solid, dependable performance in a package that offers you a full range of useful features, and enough power to drive main and auxiliary speakers simultaneously. Tune-O-Matic pushbutton tuning automatically allows you to choose between five pre-set stations of your choice at the touch of a button. It keeps those favorite listening spots on your dial convenient and close at hand. There is also a large, slide-rule dial for easy, accurate manual tuning. The integrated circuits, plus the field-effect-transistors assure you of continuously fine FM reception. There is equally fine reception available on the wide-band AM circuit. Controls include a tape monitor, and main/remote speaker switches. Power Output at 8 ohms: 120 watts ± 1 dB, 96 watts IHF, 35 watts rms per channel. Response, 20-25,000 Hz. Sensitivity, 2.0 μ V. $4\frac{3}{8} \times 15\frac{1}{2} \times 12\frac{1}{4}$ ". Takes case below. AC.

31 B 6040 U. Shpg. wt. 20 lbs. **349.95**
31 B 6002 X. Walnut Vinyl Wood Case. 8 lbs. **19.95**

C 200-watt Stereo FM-AM Receiver has Auto-Scan automatic tuning plus Tune-O-Matic pushbuttons

Model 500-TX. Here is one of Fisher's best reasons for owning a stereo component system. It offers the stereo enthusiast dependable performance, features, and enough power to drive most any speaker arrangement. This receiver features three methods of FM tuning. Electronic AutoScan lets you sweep the dial for stations automatically. Tune-O-Matic allows you to select any one of five, pre-set stations with the push of a button, and finally, there is smooth, flywheel manual tuning. The dual gate MOSFETs (metal-oxide-silicon-field-effect-transistors), coupled with the crystal IF filter pull in FM with superb clarity. Ceramic filter on AM for fine selectivity. Controls include a tape monitor, a five-way speaker switch, and high/low filters. Power Output at 8 ohms: 200 watts, ± 1 dB; 150 watts, IHF; 65 watts rms per channel. Response: ± 1.5 dB, 15-25,000 Hz. Sensitivity: 1.7 μ V. $5\frac{1}{2} \times 16\frac{3}{4} \times 14\frac{1}{4}$ ". Case below. AC.

31 B 6041 U. Shpg. wt. 30 lbs. **499.95**
31 B 6042 X. Walnut Vinyl Wood Case. Shpg. wt. 9 lbs. **22.95**

D Exciting NEW four-channel Stereo FM-AM Receiver with 250-watt power and every deluxe extra

Model 701. This is the new stereo receiver that introduces you to an exciting breakthrough in sound reproduction. Fisher's patented wide-sound concept creates four-channel sound from conventional two-channel program material. A four-channel installation offers sound reproduction that very nearly approaches the presence of an actual concert performance. The receiver's deluxe circuit includes FETs and integrated circuits—a total of 14 stages—plus five multipole filters to offer magnificent performance from even distant FM stations. AM circuit has wideband design for excellent sound. Precision d'Arsonval tuning meter, between-station quieting, AFC, "Stereo Beacon" and automatic stereo/mono switching. Tape monitor, speaker selector, stereo headphone jack, high filter, loudness contour. Power Output at 8 ohms: 250 watts ± 1 dB, 200 watts IHF, 40 watts rms per channel. FM Sensitivity: 1.7 μ V. Response: 20-25,000 Hz. $5\frac{1}{2} \times 16\frac{3}{4} \times 16$ ". Case below. AC.

31 B 6043 U. Shpg. wt. 35 lbs. **699.95**
31 B 6044 X. Walnut Vinyl Wood Case. Shpg. wt. 8 lbs. **22.95**

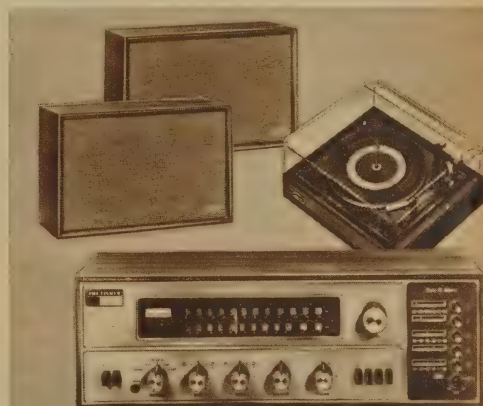


Save \$80.35 399⁹⁵

100-watt System with 10" speakers

Separately, \$480.30. A great stereo combination at a great low price. Consists of Fisher's new 202 receiver, with FET's, integrated circuits and 100 watt power output. A Garrard SL65B turntable with Synchro-Lab motor, cuing, antiskate, and adjustable force gauges. With base, dust cover and Shure M93E cartridge. The Allied 3017 3-way speaker systems have 10" woofer, 6" midrange and 3 $\frac{1}{2}$ " tweeter.

34 B 5005 D6U. Shpg. wt. 86 $\frac{1}{2}$ lbs. **399.95**



Save \$122.35 549⁹⁵

120-watt System with 12" speakers

Separately, \$672.30. You save \$122.35 on this superb stereo system. Features Fisher's 250-TX receiver with pushbutton tuning, slide-rule dial and FET's for superior AM/FM listening. A Garrard SL72B turntable with AutoRise platform, cuing, antiskate, and adjustable force gauges. Comes with base, dust cover, Empire 999VE/X cartridge. Two Allied 3040 speakers offer you 12" woofer, 6" midrange and 3 $\frac{1}{2}$ " tweeter, walnut cabinet. With cables.

34 B 5006 D6U. Shpg. wt. 85 lbs. **549.95**

Enter a new era of home stereo listening pleasure with one of these superb Scott Receivers . . priced to suit any budget



NEW!

199⁹⁵
less
case

no money down
see page 331



299⁹⁵
less
case

no money down
see page 331



389⁹⁵
less
case

no money down
see page 331



NEW!

449⁹⁵
less
case

no money down
see page 331

A 95-watt FM-AM Receiver boasts FET's for superior FM reception

Model 631. Even Scott's lowest-priced solid-state receiver has sensitive field-effect transistor front-end and integrated-circuit IF strip for clean, clear stereo FM. Tuning meter, stereo indicator light, Perfectune (light that flashes when FM is perfectly tuned) and flywheel tuning pinpoint stations quickly. Switches for tape monitor, mono/stereo mode, muting and main/remote speakers. Stereo headphone jack. Ganged bass and treble, volume and balance controls. Output at 4 ohms: 95 watts ± 1 dB; 75 watts IHF; 25 watts rms per channel. Response: ± 3 dB, 15-30,000 Hz. FM Sensitivity: 2.5 μ V. Takes wood case below. 4 $\frac{3}{8}$ "x15 $\frac{1}{2}$ "x11 $\frac{3}{4}$ ". AC.

31 B 6028 U. Shpg. wt. 17 lbs. 199.95
31 B 6029 X. Walnut Wood Case. 4 lbs. 22.50

B Solid-state 110-watt FM-AM Receiver offers super sensitivity

Model 382C. Powerful receiver pulls in great, static-free FM and wideband AM. Field-effect transistors in the front-end let you zero-in on the weakest stations. Quartz crystal lattice filter in the IF and an integrated-circuit IF strip and multiplex provide superior stereo separation. Stereo indicator light and perfectune for easy tuning. Power Output at 4 ohms: 110 watts ± 1 dB; 90 watts IHF; 33 watts rms. Response: ± 1 dB, 15-30,000 Hz. FM Sensitivity: 2.5 μ V. Takes optional walnut wood case below. 5x15x14". AC.

31 B 6034 U. Shpg. wt. 19 lbs. 299.95
31 B 6036 U. Model 342C. As above, but with FM only. Shpg. wt. 17 lbs. 269.95
31 B 6035 X. Wood Case. Wt. 4 lbs. 22.50

C 170-watt FM-AM Receiver easily drives two sets of speaker systems

Model 386. Solid-state receiver offers superb mono and stereo FM, preamp facilities for every music source and plenty of power. FET front-end and integrated-circuit IF and multiplex assure finest stereo FM reception. Crystal filter in IF strip never needs adjustment. Tuning meter, stereo light and flywheel tuning. Pushbuttons for loudness contour, tape monitor, scratch filter, muting, mode and main/remote speakers. Has front-panel stereo headphone jack and mike inputs. Outputs at 4 ohms: 170 watts ± 1 dB; 135 watts IHF; 42 watts rms per channel. Response: ± 1.5 dB, 15-30,000 Hz. FM Sensitivity: 1.9 μ V. Takes optional case below. 5 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x14". AC.

31 B 6032 U. Shpg. wt. 22 lbs. 389.95
31 B 6031 X. Walnut Wood Case. 6 lbs. 26.95

D FM-AM Receiver has FET's and IC's . . packs a powerful 210 watts

Model 387. Offers power to spare. Silver-plated FET front-end and integrated-circuit IF and multiplex pull in even weak and distant stations and reproduce them with breath-taking realism. Crystal-filter provides razor-sharp selectivity. Tuning meter, stereo light and Perfectune for precise, effortless tuning. Controls: tape monitor, loudness compensation, noise filter, muting, mode and main/remote speakers. Stereo headphone jack. Dual bass, dual treble, balance and volume controls. Output at 4 ohms: 210 watts ± 1 dB; 170 watts IHF; 85 watts rms per channel. Response: ± 1 dB, 15-30,000 Hz. FM Sensitivity: 1.8 μ V. Takes optional wood case below. Size, 5 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x14". AC.

31 B 6033 U. Shpg. wt. 22 lbs. 449.95
31 B 6031 X. Walnut Wood Case. 6 lbs. 26.95



*A receiver for the connoisseur . .
pours out a full 90 watts continuous
(rms) power per channel*

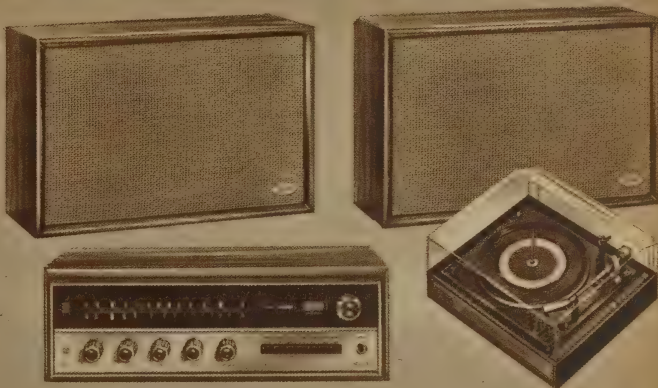
599⁹⁵
less case

Finest Scott solid-state Stereo FM-AM Receiver delivers a stunning 230 watts of thundering power

Model 3900. Built to give you stereo realism that rivals the depth and splendor of the original performance! Powerful enough to drive any speaker systems made—even drives main and remote speaker systems simultaneously with power to spare! Has silver-plated FET front-end for superior sensitivity. IC's in IF strip, preamp and multiplex circuits. Dual crystal filters provide razor-sharp selectivity. You'll receive more stations than ever before and get the cleanest sound you've ever heard!

Inputs for tape, phono and aux. Outputs for 4-16 ohm speaker systems, recording and front-panel stereo headphone jack. Has tape monitor. Boasts a full array of controls, stereo light, Perfectune, tuning meter and more. Power Output at 4 ohms: ± 1 dB, 230 watts; 190 watts IHF; 85 watts rms per channel. Response: ± 1 dB, 20-30,000 Hz. FM Sensitivity: 1.7 μ V. FM Stereo Separation: 40 dB. Signal-to-Noise Ratio: 65 dB. Capture Ratio: 2.5 dB. Takes optional wood case below. 4 $\frac{1}{8}$ "x15 $\frac{1}{2}$ "x12 $\frac{1}{4}$ ". AC.

31 B 6037 U. Shpg. wt. 35 lbs. 599.95
31 B 6031 X. Deluxe Walnut Wood Case. Shpg. wt. 6 lbs. 26.95



Save \$92.35 499⁹⁵

Stereo System with Scott 170-watt Receiver

Separately \$592.95. Magnificent system features Scott's superb 386 Stereo FM-AM Receiver that boasts the latest advancements in receiver design. Famous Garrard SL7B Automatic Turntable with Synchro-Lab motor for constant record speed at 33 $\frac{1}{3}$, 45 and 78 rpm, has improved low-mass pickup arm with adjustable counterweight that lets you use today's light-tracking cartridges with finest results. Complete with base and dust cover. Empire's newest elliptical-stylus Stereo Cartridge, the 999SE/X, for ultra-light tracking, great sound. Two Allied 12" three-way Speaker Systems, each featuring king-sized 12" woofer with a husky 2-pound magnet structure for full-throated bass without distortion, an efficient 6" cone-type midrange for wide dispersion and excellent middle-range frequencies plus specially designed 3 $\frac{1}{2}$ " cone tweeter, all combined to give you truly "big" hi-fi sound. System comes complete with all connecting cables, plugs.

13 B 0000 D5Z. Shpg. wt. 80 lbs. 499.95

NEW! Kenwood Stereo Receivers with "state-of-the art" features



(A)

NEW!

259⁹⁵ Metal case

no money down
see page 331

(B)

NEW!

199⁹⁵ Metal case

no money down
see page 331



Powerful Pioneer Receivers for stereo that's music to your ears



(C)

Great Offer!

199⁹⁵ Metal case

no money down
see page 331



(D)

NEW!

299⁹⁵ Metal case

no money down
see page 331

A Kenwood 95-watt solid-state Stereo FM-AM Receiver boasts all the most-wanted controls

Model KR-4140. This receiver has controls, inputs and outputs for every program source. When you want FM, the FET front-end pulls in more stations. And the integrated-circuit IF strip tunes out unwanted signals for superior FM selectivity. Good AM, too. Precision flywheel tuning, signal-strength meter and stereo FM indicator light for always-perfect tuning. Front-panel jacks for mikes and stereo headphones. To start, tap the power on/off pushbutton.

Has sliding balance control. Loudness compensation, tape monitor, between-station FM quieting, low and high filter pushbuttons, 7-position selector for AM, FM Auto, Phono 1 and 2, Mic and auxiliary. Volume, bass, treble, mono/stereo mode and main/remote speaker controls. Power Output at 4 ohms: 95 watts ± 1 dB; 80 watts IHF; 33 watts rms per channel. Response: ± 1 dB, 20-30,000 Hz. FM Sensitivity: 1.8 μ V. Metal case. Optional case below. 5 $\frac{1}{2}$ "x16 $\frac{1}{2}$ "x12 $\frac{3}{4}$ ". AC. 31 B 6019 U. Shpg. wt. 26 lbs. 259.95
31 B 6020 X. Walnut Wood Case. Shpg. wt. 6 lbs. 19.95

B Kenwood 65-watt solid-state Stereo FM-AM Receiver . . a first choice for stereo-on-a-budget

Model KR-3130. Truly remarkable receiver at a low budget-keeping price! Sensitive front-end has FETs that pull in more stations. Integrated-circuit IF strip tunes out unwanted stations for easier selection of your favorite FM stations. Flywheel tuning, signal-strength meter and stereo FM indicator light make tuning a pleasure. Convenient front-panel jacks for mikes and stereo headphones. Just tap the power on/off button to start listening

Pushbuttons control tape monitor, mono/stereo mode, noise filter, and loudness compensation that gives you full response, even at low volume. Volume, bass, treble, balance and 5-pos. selector controls. Power Output at 4 ohms: 65 watts ± 1 dB, 50 watts IHF, 22 watts rms per channel. Response: ± 1 dB, 20-20,000 Hz. Sensitivity: 2.0 μ V. Metal case. Optional case below. 5 $\frac{1}{2}$ "x16 $\frac{1}{2}$ "x12 $\frac{3}{4}$ ". AC. 31 B 6016 U. Shpg. wt. 25 lbs. 199.95
31 B 6017 U. KR-2120 Receiver. Above, but 40 watts. 22 lbs. 159.95
31 B 6018 X. Walnut Wood Case. Shpg. wt. 6 lbs. 19.95

C Pioneer solid-state Stereo FM-AM Receiver offers 50 watts power for superb stereo sound

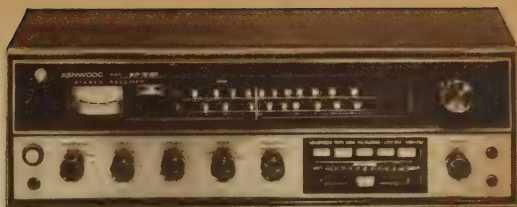
Model SX-440. Has features and controls that place it on a par with much more expensive receivers, yet its low price keeps it within your budget. Boasts an FET front-end that pulls in more stations than ever before. And this high degree of sensitivity makes a big difference in getting you the sounds you want to hear! In thrilling, true-to-life stereo! Signal-strength tuning meter, multiplex filter, FM muting and AFC make FM tuning easy.

Switches for mono/stereo mode, tape monitor, loudness compensation and main/remote speaker systems. Jacks for stereo headphones, 2 sets of speakers, tape. Volume, balance, bass and treble controls. Power Output at 4 ohms: 50 watts ± 1 dB; 40 watts IHF; 15 watts rms per channel. Response: ± 1 dB, 20-70,000 Hz. Sensitivity: 2.5 μ V. With walnut-finish wood case. 5 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x15". AC. 31 B 6023 U. Shpg. wt. 21 $\frac{1}{2}$ lbs. 199.95
31 B 6024 U. SX-770 Receiver. Above, but 85 watts ± 1 dB. Integrated circuit in IF. Has center-channel output, mike input. 24 lbs. 249.95

D Pioneer 165-watt Stereo FM-AM Receiver features solid-state circuit with FETs and ICs

Model SX-990. Full of pleasant surprises for the man who appreciates quality and loves stereo music. Advanced design features sensitive FET front-end that zeros-in on weak signals from distant stations. Four ICs (integrated circuits) in the IF strip assure distortion-free FM and superior stereo separation. So you'll hear more stations more clearly—even perfectly. Two tuning meters; one shows signal strength, the other for station centering.

Pushbuttons for loudness compensation, muting (between-station quieting), tape monitor, high and low filters. Controls select mode and main/remote speakers. Front-panel jacks for mike and stereo headphones. Power Output at 4 ohms: 165 watts ± 1 dB; 130 watts IHF; 45 watts rms per channel. Response: ± 1 dB, 10-100,000 Hz. Sensitivity: 1.7 μ V. With walnut wood case. 5 $\frac{1}{2}$ "x18 $\frac{1}{2}$ "x14 $\frac{1}{2}$ ". AC. 31 B 6025 U. Shpg. wt. 29 lbs. 299.95
31 B 6026 U. SX-1500TD. Above, but 215 watts ± 1 dB. Has mike input and mike level control. With directional dynamic mike. Wt. 29 $\frac{1}{2}$ lbs. 399.95



319⁹⁵ NEW! Kenwood Stereo FM-AM Receiver delivers 180 watts

Model KR-5150. A solid-state receiver offering deluxe features and enough power to drive two pairs of speaker systems! Tunes FM, stereo FM and AM. Sensitivity and selectivity are so good that you'll get stations you've never heard before! FETs in the front-end zero-in even on weak, distant signals. ICs in the IF strip reject unwanted signals. Pulls in clean, clear signals for undistorted stereo pleasure.

Perfect tuning is a reality, not just a promise. Precision flywheel tuning, stereo indicator light, signal-strength meter, plus a station-centering meter make tuning incredibly easy! Sliding balance control for optimum stereo effect. Pushbutton FM muting and loudness compensation. Other pushbuttons control tape monitor, high and low filters. Plus an on/off pushbutton power control. Separate volume, bass and treble controls adjust volume to your taste.

Selector for AM, FM Auto, Phono 1 and 2, 2/Mike, aux. 1 and 2. Mono/stereo mode and main/remote speaker controls. Front-panel jacks for mikes, stereo headphones. Power Output at 4 ohms: 180 watts ± 1 dB; 150 watts IHF; 50 watts rms per channel. Response: ± 1 dB, 20-30,000 Hz. Sensitivity: 1.7 μ V. Metal case. Optional wood case below. 5 $\frac{1}{2}$ "x16 $\frac{1}{2}$ "x12 $\frac{3}{4}$ ". AC. 31 B 6021 U. Shpg. wt. 28 lbs. 319.95
31 B 6022 U. KR-6160 280-Watt Receiver. 34 lbs. 379.95
31 B 6020 X. Walnut Wood Case. Shpg. wt. 6 lbs. 19.95



499⁹⁵ NEW! Pioneer 300-watt Stereo FM-AM Receiver has reverb

Model SX-9000. Deluxe receiver is the first to include its own reverberation amplifier! Puts "life" into the music even in an acoustically "dead" room. The reverb is adjustable from 0-2 seconds. Has its own front-panel indicator for easy readings. But nothing's been scrimped on in the circuit. FETs and integrated circuits pull in more stations, more clearly, and reject unwanted signals.

Amazingly versatile receiver has front-panel jacks for connecting two tape decks for tape-to-tape dubbing, two turntables, two mikes and two stereo headsets. Has A and B tape monitor pushbuttons, plus A and B mike-level and balance controls. Six-way pushbuttons for 3 different pairs of speakers. In addition to standard bass and treble controls, a switch with indicator light lets you select different "tone colors" (vivid, bass, flat or soft). Pushbuttons for loudness, FM muting, high and low filters, power on/off.

Has center-station and signal-strength tuning meters, plus FM Stereo, FM, AM, Phono and Aux/tape indicator lights. Mode selector for reverb, stereo, left channel, right channel, left and right simultaneous. Output at 4 ohms: 300 watts ± 1 dB; 240 watts IHF; 85 watts rms per channel. Response: ± 1 dB, 10-35,000 Hz. FM Sensitivity: 1.6 μ V. Includes walnut wood case. 7 $\frac{3}{8}$ "x20 $\frac{1}{2}$ "x13 $\frac{1}{2}$ ". AC. 31 B 6027 U. Shpg. wt. 43 lbs. 499.95

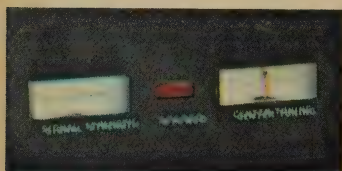
Best selling Realistic Stereo FM-AM Receiver improved for '71..full 82-watt power, modern FET and IC circuit

Features like the all-silicon solid-state amplifier, advanced Glide Path™ volume controls and dual meters make the STA-65C a top value in its price range



199⁹⁵

Price includes
\$24.95 value
walnut case



Two illuminated meters—signal strength and center channel



Speaker selector switch for main, remote, both, or off



Tape monitor switch is perfect for our 3-head Model 999 deck

Model STA-65C. One of our most popular receivers—all new and improved for 1971 with the luxurious look you find on Realistic receivers. There is 82 watts of power and FET and IC circuits that let you hear more FM stations without background noise. We designed the AM section to cut through clutter so you receive AM with more fidelity than you ever thought possible. The all silicon solid-state amplifier provides continuous power over the complete bandwidth from bass to treble. There is a full array of convenience features.

Glide-Path volume controls offer visible control of volume and balance. Tap monitor switch for professional recording with three-head tape decks. Speaker selector switch lets you choose main/remote or both speakers for stereo. Smooth-operating flip lever front panel switches. You stay "tuned-in" thanks to built-in AFC. Controls are arranged for convenience, not just looks. The pushbutton on-off switch lights to remind you the power is on.

The tuning dial is illuminated for FM and AM. Two illuminated tuning meters—signal strength for AM tuning and FM antenna orientation, center channel for perfect stereo FM tuning. The correct meters are automatically illuminated when needed. Screw terminals or RCA phono jacks for main speaker connections. Truly the heart of any home stereo system, the receiver comes in an elegant, custom-designed walnut cabinet with a beautiful extruded aluminum front-panel putting the looks on a par with the sound. 5½"x16½"x13½". 31 B 2032 U. Shpg. wt. 26 lbs.199.95

SPECIFICATIONS

AMPLIFIER: Power Output at 8 ohms: 82 watts ± 1 dB, 65 watts IHF, 21 watts rms. per channel. Frequency Response: 20-25,000 Hz ± 1 dB. Harmonic Distortion: less than 0.8% at rated power. Intermodulation Distortion: less than 1%. Power Bandwidth (IHF): 20-25,000 Hz. Hum and Noise: -63 dB phono, -80 dB aux. Input Sensitivity: Phono: 3 μ V. Output: 4-16 ohms. **FM TUNER.** Sensitivity (IHF): 2 μ V. Stereo Separation: over 35 dB. Capture Ratio: 2.5 dB. Signal-to-Noise Ratio: 65 dB. Harmonic Distortion (IHF): .6%. Cross Modulation Rejection: 82 dB. **AM TUNER.** Sensitivity: 100 μ V (built-in antenna). Image Rejection: 40 dB. Power: 117 V, 50/60 Hz AC; 100 watts.

Buy your receiver on Allied Radio Shack's Credit Fund Plan

"Everything" System with 82-watt Stereo FM-AM Receiver

Save
\$91.38 **499⁹⁵**

- Realistic STA-65C solid-state Stereo FM-AM Receiver
- 2 Realistic Optimus 1 acoustic suspension Speaker Systems
- Realistic LAB-24A Record Changer, Base, Magnetic Cartridge
- Realistic Nova 20 Headphones
- 2 Realistic "Highball-2" Mikes
- Realistic TR-90 3-speed Tape Deck
- Realistic FM Antenna
- Realistic 1800' mylar Tape

Components Separately, \$591.33. STA-65C receiver is loaded with features (see facing page). Optimus 1 speaker systems have 3 elements, walnut cabinets. LAB-24A has 4 speeds, cuing, stereo elliptical cartridge. Nova 20 headphones can be worn comfortably for hours.

34 B 1010 D10Z. Shpg. wt. 114 lbs... **499.95**



GOOD



BETTER



BEST

Save
\$47.50 **299⁹⁵**

- Realistic STA-65C 82-watt Stereo FM-AM Receiver
- Realistic LAB-12A Record Changer, Base, Magnetic Cartridge
- 2 Realistic MC-1000 Speaker Systems in walnut cabinets

Components Separately, \$347.45.
34 B 1007 D4U. Shpg. wt. 56 lbs... **299.95**

Save
\$51.50 **359⁹⁵**

- Realistic STA-65C 82-watt Stereo FM-AM Receiver
- Realistic LAB-36 Record Changer, Base, Magnetic Cartridge
- 2 Realistic Electrostat 2A Speaker Systems in walnut cabinets

Components Separately, \$411.45.
34 B 1008 D4U. Shpg. wt. 95 lbs... **359.95**

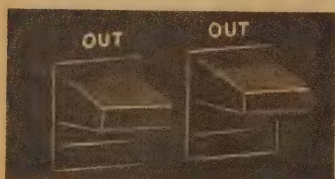
Save
\$69.40 **429⁹⁵**

- Realistic STA-65C 82-watt Stereo FM-AM Receiver
- Garrard SLX-3 Record Changer, Base, Magnetic Cartridge
- 2 Realistic Optimus 5 Speaker Systems in walnut cabinets

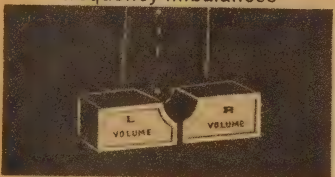
Components Separately, \$499.35.
34 B 1009 D4Z. Shpg. wt. 114 lbs... **429.95**

Realistic's best Stereo FM-AM Receiver... the value-packed giant that outperforms the others, yet costs less and sounds just great!

Featuring FET-FM, wideband AM, 140 watts, "Glide-Path" volume controls, "Perfect" Loudness, stereo select switch



Hi and lo filter switches compensate for both high and low frequency imbalances



"Glide Path" volume controls offer smooth and accurate volume and balance adjustments



Three tone controls, not just two, for full control over the entire orchestral range

269⁹⁵ no money down*

Model STA-120. Realistic's finest receiver ever! Sets new standards of performance, value and creativity for years to come. It has advanced design and controls not yet found in other receivers at any price. Boasts 140 watts of pure power with virtually no distortion. Field-effect-transistors in the front end provide excellent FM, stereo FM reception. Wideband AM section delivers the finest quality AM broadcasts available. Also features exclusive "Glide Path" volume control. "Perfect Loudness," midrange tone controls and stereo FM select for achieving total control over the entire musical range. You also get a tape monitor switch with tape input volume control for even greater flexibility. Tuning meters for both signal strength and FM center channel make pin-point precision tuning a snap.

Main and remote speaker switches let you run two pairs of speaker system from the STA-120. Hi and lo filter switches. AFC brings you drift-free FM and stereo FM reception. Stereo-mono switch. Phono jack and screw terminal main speaker connections for simple, trouble-free speaker hookup. Phono input level control lets you choose any cartridge your taste and budget allows. Luxurious extruded aluminum panel has easy-to-read white lettering on black background with new positive-action flip-lever switches. Complete with custom designed oiled-walnut veneer cabinet—nothing extra to buy!

31 B 2018. Shpg. wt. 36 lbs. 269.95

SPECIFICATIONS

AMPLIFIER: Power Output at 8 ohms: 140 watts +1 dB, 120 watts IHF, 80 watts rms. Frequency Response: 20-25,000 Hz. ± 75 dB. Harmonic Distortion: less than 0.8% at rated power. IM Distortion: 0.4%. Power Bandwidth: (IHF) 18-25,000 Hz. Hum and Noise: -65 dB (phono), -80 dB (aux.). Input Sensitivity, Phono: 2.0/5 μ V. Tone Controls: ± 12 dB at 100 Hz, ± 6 dB at 1500 Hz, ± 12 dB @ 10,000 Hz. Output: 4-16 ohms. **FM CIRCUIT:** Sensitivity: (IHF) 1.8 μ V. Stereo Separation: over 35 dB. Capture Ratio: 1.55 dB. Signal to Noise Ratio: 65 dB. Harmonic Distortion (IHF): .35%. Cross Modulation Rejection: 82 dB. **AM CIRCUIT:** Sensitivity: 40 μ V (has built-in antenna). Image rejection: 40 dB. Power Requirement: 105-120 volts AC, 50-60 Hz. Dimensions: 19 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x5 $\frac{3}{4}$ ".

*See page 331 for full Credit details

Realistic's fabulous 140-watt "Everything" Music System

Save
113.88 **699⁹⁵**

Realistic STA-120 140-watt
Stereo FM-AM Receiver
A pair of Realistic Optimus-5
3-way 12" Speaker Systems
Realistic/Miracord 40A Three-
Speed Automatic Turntable
Base for Turntable
Diamond Magnetic Cartridge
Realistic three-head, 3-speed
full-feature Tape Deck
Realistic Nova-PRO stereo
Headphones
Realistic PRO-100 Mike set
Realistic FM Antenna
One 1800' reel of Realistic
Mylar Recording Tape

Separately, \$813.83. With all necessary
cables, phono plugs, cords, instructions.
4 B 1014 D9Z. Wt. 170 lbs. **699.95**



GOOD 140-watt System

Save
\$51.50 **429⁹⁵**

- Realistic STA-120 140-watt Stereo FM-AM Receiver
- Two Realistic 2A Electrostat Speaker Systems
- Realistic LAB-36 Changer with base and magnetic Cartridge

Purchased Separately, \$481.45.

4 B 1011 D4Z. 112 lbs. **429.95**

BETTER 140-watt System

Save
\$59.40 **489⁹⁵**

- Realistic STA-120 140-watt Stereo FM-AM Receiver
- Two Realistic Optimus-4 Speaker Systems
- Garrard SLX Changer with base and cartridge

Purchased Separately, \$549.35.

34 B 1012 D4Z. 118 lbs. **489.95**

BEST 140-watt System

Save
\$89.85 **599⁹⁵**

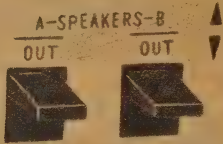
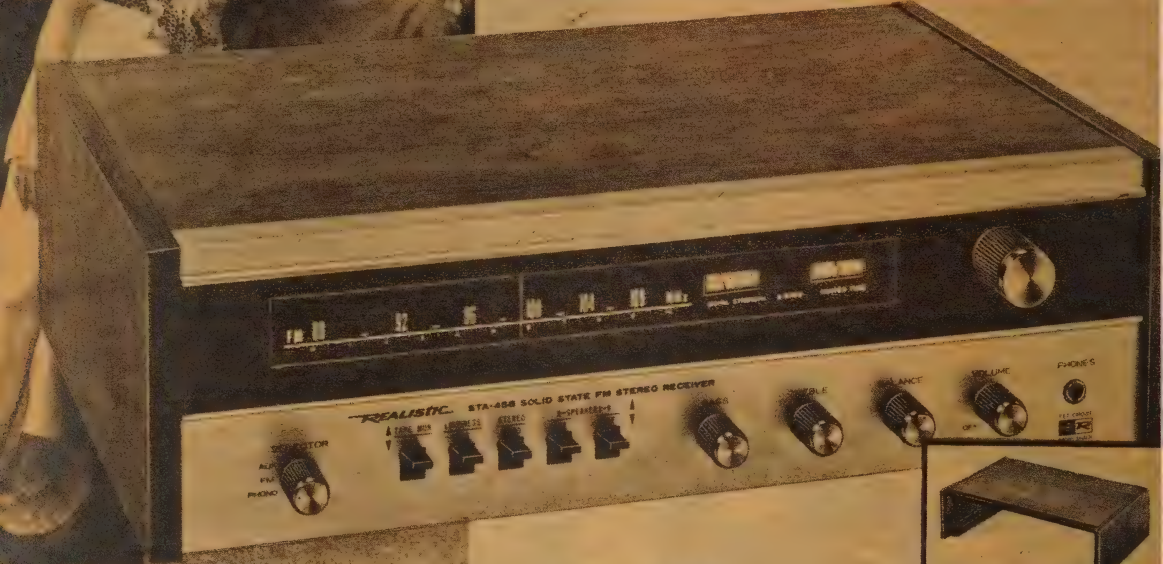
- Realistic STA-120 140-watt Stereo FM-AM Receiver
- Two Realistic Optimus-3 Speaker Systems
- Realistic/Miracord Changer with base, magnetic cartridge

Purchased Separately, \$689.80.

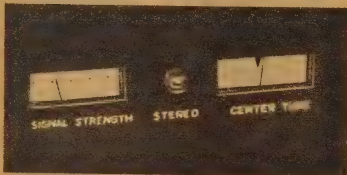
34 B 1013 D4Z. 208 lbs. **599.95**

Realistic 70-watt Stereo FM Receiver offers deluxe features and exceptional performance at an unusually low price

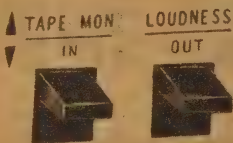
Brings you near-perfect FM pulled in by an FET front-end and delivered with ample power... inputs for phono and tape, let you make it the center of a great stereo system



Speaker switches let you listen to main, remote, both



Two illuminated meters—signal strength and center channel



Tape monitor switch for use with three-head tape decks

159⁹⁵ no money down
see page 331



Price includes \$24.95 value walnut case

Model STA-45B. We let our engineers develop a stereo FM receiver with just about every possible feature and then put a low price on it to prove a point: you don't have to pay big money to get a great receiver. Solid-state circuit has an all-silicon FET front-end that assures perfect fidelity reception—even in fringe areas. There's a full 70 watts of power, enough for extra speakers. So we included main and remote speaker selector switches—you can listen to main, remote or both with full-fidelity reproduction.

Two illuminated tuning meters—signal strength for proper FM antenna orientation and center channel to insure that you bring in stations with pinpoint accuracy. Luxurious styling is highlighted by handsome brushed aluminum panel and special "midnight" dial that doesn't become visible until power is turned on. Smooth operating flip-lever front panel switches. Stereo beacon lights up when you are tuned to a station broadcasting stereo.

There are eleven front panel controls in all, to make it easier to get perfect total performance. Loudness compensation switch lets you get full volume on low frequencies. Full-range bass and treble controls, balance and volume controls. Tape monitor switch lets you make professional tapes when used with a three head deck. Stereo headphone jack. Screw terminals plus phono jacks for speaker connections. Everything is encased in a handsome walnut cabinet that has the look of luxury. 5½x17x12". AC.

31 B 2028 U. Shpg. wt. 25 lbs. **159.95**

SPECIFICATIONS

AMPLIFIER: Power Output at 8 ohms: 70 watts ± 1 dB, 55 watts IHF, 34 watts rms. Frequency Response: ± 1 dB, 20-20,000 Hz. Harmonic Distortion: less than 1.0% at rated power. Power Bandwidth (IHF): 20-25,000 Hz. Hum and Noise: Phono —60 dB. Input Sensitivity: Phono, 3.0 μ V. Output: 4-16 ohms. **FM TUNER** Sensitivity (IHF): 1.8 μ V. Stereo Separation: 30 dB. Capture Ratio: 1.75 dB. Signal-to-Noise Ratio 50 dB. Harmonic Distortion (IHF): .75%. Cross Modulation Rejection: 82 dB. Power: 117 VAC, 50/60 Hz, 80 watts.

Allied Radio Shack is your headquarters for hi-fi

Good Stereo FM/Phono System with STA-45B 70-W Receiver

- Realistic STA-45B 70-watt Stereo FM Receiver
- Realistic LAB-12A Record Changer with Custom Base, Shure Magnetic Cartridge
- 2 Realistic Minimus 2 Walnut Speaker Systems

Components Separately, \$287.40. The STA-45B solid-state stereo FM receiver features FET front-end for great sound, dual meters, main/remote speaker selectors. Full description on opposite page. The LAB 12A changer has cuing, anti-skate, four speeds, full-size platter, pop filter, pickup arm lock. Minimus-2 speaker systems are space-saving units with acoustic-suspension woofer plus high-compression tweeter. Have room equalizer control for tweeter level.
B 1004 D4U. Shpg. wt. 53 lbs. . . . **\$259.95**

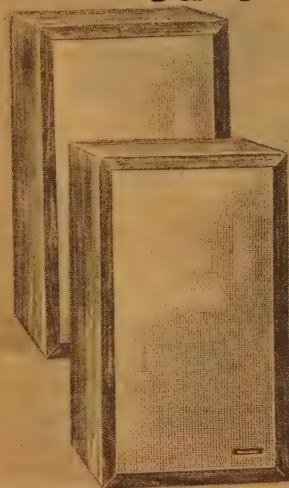


Save \$27.45 259⁹⁵

Better FM/Phono System with STA-45B 70-W Receiver

- Realistic STA-45B 70-watt Stereo FM Receiver
- Realistic LAB-24A Automatic Changer, Base, Elliptical Magnetic Cartridge
- 2 Realistic Electrostat 2a Walnut Speaker Systems

Components Separately, \$356.45. The STA-45B solid-state stereo FM receiver has a full array of deluxe features for great performance. Midnight dial becomes visible when power is turned on. Complete with walnut case. LAB-24A changer has four speeds, cuing, light-tracking pickup arm, full-size platter and deluxe elliptical cartridge. Electrostat 2a speaker systems have three electrostatic tweeters for very high range plus bass-energized woofer. Stained walnut cabinets.
B 1005 D4U. Shpg. wt. 92 lbs. . . . **\$319.95**



Save \$36.50 319⁹⁵

Best Stereo FM/Phono System with STA-45B 70-W Receiver

- Realistic STA-45B 70-watt Stereo FM Receiver
- Realistic LAB-36 Automatic Changer, Base, Elliptical Magnetic Cartridge
- 2 Realistic Optimus-5 Walnut Speaker Systems

Components Separately, \$439.80. The STA-45B solid-state stereo FM receiver has every feature you need to enjoy stereo at its best. Flip-lever front-panel switches, tape monitor switch, stereo headphone jack, stereo beacon. LAB-36 automatic turntable is designed for the connoisseur. Has cuing and pause control, anti-skate, lightweight pickup arm, precision tracking. Optimus-5 speaker systems have 12" acoustic-suspension woofer and three high-compliance tweeters for fine sound.
B 1006 D4Z. Shpg. wt. 116 lbs. . . . **\$379.95**



Save \$59.85 379⁹⁵

Use our convenient Credit Fund Plan to buy now

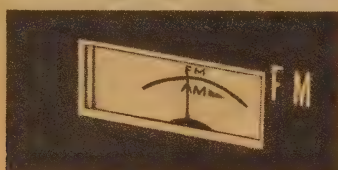
Realistic's 45-watt Stereo FM-AM Receiver has features that, until now, you had to pay more for... like magnetic stereo phono input and a center channel tuning meter



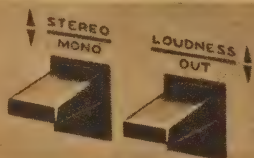
119⁹⁵ no money down*



FREE!
\$24.95 Value
Walnut Case



Meter indicates center channel on FM, signal strength on AM



Loudness switch provides full fidelity at low volume levels



Bass and treble controls to tailor the sound to your taste

Model STA-36. Only Realistic can offer you a 45-watt stereo FM-AM receiver with so many extra-performance features at such a low price. This advanced design solid-state receiver has a built-in magnetic cartridge stereo preamplifier usually found only in higher-priced receivers, so you can use the finest stereo phono cartridges. Stereo phonos with crystal or ceramic cartridges, or stereo tape deck, can be played through the receiver's auxiliary input. Ha tape output for recording.

Tuning is easier and more precise than ever due to the unique 2-in-1 illuminated tuning meter—indicates center channel tuning on FM and signal strength on AM—and large, illuminated slide-rule dial with smooth flywheel tuning. The receiver switches automatically to the stereo mode, and lights the stereo indicator lamp when a stereo broadcast is received. Built-in AM and line-c FM antennas bring in clean, clear reception for life-like stereo FM and sensitive mono FM or AM listening.

Separate bass and treble controls, and balance control permit you to adjust the sound to suit room acoustics or individual preference. The loudness switch assures full-fidelity performance even at low listening levels. A stereo headphone jack lets you listen privately, without disturbing others. Extruded aluminum front panel. Complete with \$24.95 value walnut case. Size, 15 1/4 x 10 1/4 x 3 1/2 inches. 31 B 2033 U. Shpg. wt. 25 lbs.119

SPECIFICATIONS

AMPLIFIER. Power Output at 8 ohms: 45 watts ± 1 dB, 36 watts IHF, 25 watts rms. Frequency Response: 20-20,000 Hz, ± 1 dB. Power Bandwidth (IHF) 20-25,000 Hz. Harmonic Distortion: Less than 1% at rated power. Hum and Noise: 65 dB (phono). Input Sensitivity: 2.5 μ V (phono). Inputs: Magnetic phono, auxiliary. Outputs: 4-16 ohm speakers, tape, stereo headphone jack and power convenience outlet.

FM TUNER. Sensitivity (IHF): 3.0 μ V. Stereo Separation: 34 dB. Capture Ratio: 3.25 dB. Signal to Noise Ratio: 50 dB. Cross Modulation Rejection: 82 dB.

AM TUNER. Sensitivity: 150 μ V. Image Rejection: 35 dB. Power Requirement: 117 VAC, 60 Hz, 50 watts. Size: 15 1/4 x 10 1/4 x 3 1/2 inches.

*See page 331 for full Credit details

**Good 45-watt Stereo System
with smart modern-looking
Realistic Futura Speakers and
LAB-12A Automatic Turntable**

Realistic STA-36 Stereo FM-AM solid-state Receiver with \$24.95 value walnut case

Realistic LAB-12A 4-speed Automatic Turntable with base and magnetic cartridge

Pair of Realistic Futura omnidirectional Speakers complete with 24-ft. cable

Separately, \$207.35. This budget-priced system offers advanced features and styling for eye-pleasing appearance as well as ear-pleasing sound. Complete with all cables, ready to plug in and play. # B 1001 D4U. Shpg. wt. 62 lbs...\$189.95



Save \$17.40 189⁹⁵

**This performance-matched 45-watt Stereo System includes
our popular MC-1000 Speaker
Systems for even better sound**

Realistic STA-36 solid-state Stereo FM-AM Receiver with 2-in-1 tuning meter, case

Realistic LAB-12A Automatic Turntable has anti-skate, cuing; base, cartridge

Pair of Realistic MC-1000 2-way 8" Speaker Systems in oiled walnut cabinetry

Separately, \$267.45. Fine sounding system delivers full-fidelity stereo. Plays records and pulls in stereo FM with all the realism of the live performance. Handsome cabinetry. Includes all cables. # B 1002 D4U. Shpg. wt. 75 lbs...\$239.95



Save \$27.50 239⁹⁵

**Our best 45-watt Stereo System
features Optimus-1 Acoustic-
suspension Speaker Systems,
LAB-24A Automatic Turntable**

Realistic STA-36 Stereo FM-AM Receiver with full controls and inputs, wood case

Realistic LAB-24A deluxe Automatic Turntable with base, stereo cartridge

Pair of Realistic Optimus-1 acoustic-suspension Speaker Systems in oiled walnut

Separately, \$344.35. Top-quality system offers features and performance to satisfy the discerning listener. Provides clean, natural sound with true-to-life clarity. Comes with all cables. # B 1003 D4Z. Shpg. wt. 103 lbs. 299.95



Save \$44.40 299⁹⁵

See page 331 for full Credit details

Outstanding design and features in Sansui Stereo Components

Unique 10" wide
FM-AM linear dial
for pin-point
station selection

299⁹⁵

no money down*

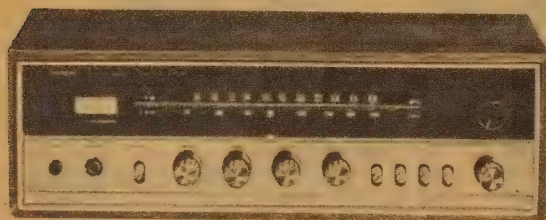


Latest-technology 150-watt Stereo FM-AM Receiver with noise canceler

Model 2000A. New micro-electronics techniques make possible the superlative performance in Sansui's new total control receiver. Gives you an abundance of controls, inputs and all the power you'll need for magnificent stereo sound from any music source. Highly sophisticated innovations are extensively employed to offer the finest sound. 150 watts of clean power guarantees ability to drive even the lowest efficiency speaker to satisfactory levels. Features newly-designed 10" wide high-contrast black-out FM-AM tuning dial for pin-point selection of stations. Has between-station quieting on FM, automatic stereo switching and FM noise canceler. Also tape monitor, headphone

jack, high and low-cut filters, mode and selector switch. Overload circuit protects against inadvertent external short of output signal. Completely separate all-silicon AM tuning section incorporates independent RF stage for finest possible AM reception. Tape input accepts DIN or domestic type plugs. Power Output at 4 ohms: 150 watts ± 1 dB; 120 watts IHF; 43 watts rms per channel. At 8 ohms, 35 watts rms. Response: 20-40,000 Hz ± 1 dB. FM sensitivity: 1.8 μ V IHF. 4"x18"x13". Metal case. Optional wood case below. AC.

31 B 6101 U. Shpg. wt. 27 lbs. 299.
31 B 6102 X. Walnut Wood Case. Shpg. wt. 7 lbs. 22.



65-watt Stereo FM-AM Receiver

199⁹⁵

no
money
down*

Model 350A. Superbly engineered with FET's in front-end for clear FM reception. Tuning meter, stereo indicator light, headphone jack, speaker selector, tape monitor, loudness contour. Power Output at 4 ohms: 65 watts ± 1 dB; 54 watts IHF; 22 watts rms per channel. Response: 30-30,000 Hz ± 1 dB. FM sensitivity: 2.5 μ V. Walnut wood case. 5"x16"x11". AC.

31 B 6106 U. Shpg. wt. 20 lbs. 199.95

31 B 6108 U. Model 1000X. As above but Power Output at 4 ohms

120 watts ± 1 dB, 100 watts IHF, 35 watts rms per channel. FM

sensitivity 2 μ V. 5"x16"x11". Wt. 25 lbs. 269.95



200-watt Stereo FM-AM Receiver

349⁹⁵

no
money
down*

Model 4000. Advanced, beautifully constructed receiver features silicon transistors highly stable to heat and time for lasting quality and purest stereo hi-fi. FET's in front-end and automatic stereo/mono switching assure fully responsive FM reception fine AM listening too. Power Output at 4 ohms: 200 watts ± 1 dB; 160 watts IHF; 65 watts rms per channel. Response ± 1 dB 10-50,000 Hz. Sensitivity: 1.8 μ V. 4"x17"x14". Metal case. Order optional wood case below. AC.

31 B 6099 U. Shpg. wt. 29 lbs. 349.

31 B 6100 X. Walnut Wood Case. Shpg. wt. 7 lbs. 22.

Sansui's finest . . 230-watt Stereo FM-AM Receiver



399⁹⁵

no
money
down*

- Overload protected
- "Black-out" dial
- "Stereo-only" FM switch

**Handles up to 4 tape recorders and
3 stereo speaker systems at a single time**

Model 5000A. High-capability receiver uses late solid-state devices. "Stereo only" switch selects on those stations broadcasting stereo. Concentric tone controls. Accepts four tape recorders for dubbing re-recording, special applications. Terminals for three speaker systems, switch allows two systems to be played simultaneously. Power Output at 4 ohms 230 watts ± 1 dB; 180 watts IHF; 75 watts rms per channel. (At 8 ohms, 55 watts rms). Response: 15-30,000 Hz ± 1 dB. Sensitivity 1.8 μ V IHF. 4"x17"x14". Metal case. Optional wood case below. AC.

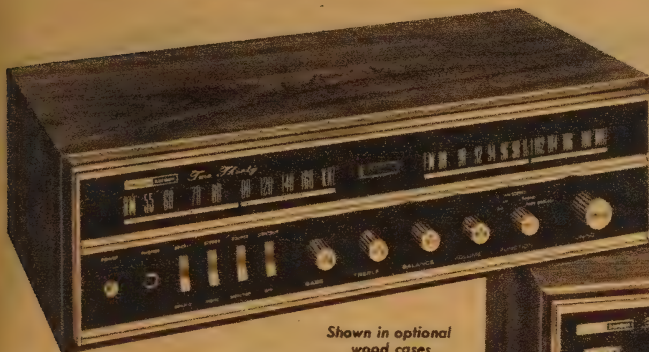
31 B 6055 U. Shpg. wt. 29 lbs. 399.95

31 B 6058 X. Walnut Wood Case. Wt. 9 lbs. 22.

Harman-Kardon solid-state Stereo Receivers featuring ultra-wide frequency response

RECEIVERS
HARMAN-KARDON

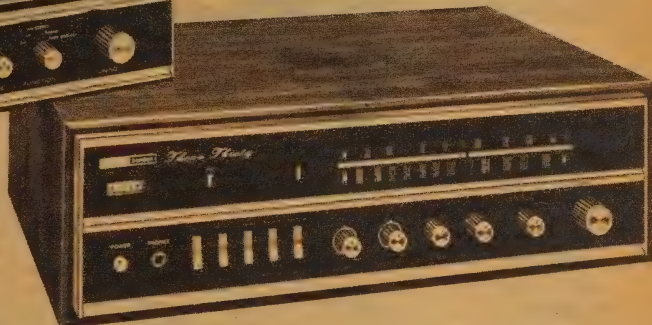
199⁹⁵
Metal Case



Shown in optional wood cases

NEW at Allied!

159⁹⁵
Metal Case



45-watt Stereo FM-AM Receiver

Model 230. Here's a wide-response elegantly-styled receiver at a low price. Pulls in static-free stereo FM. Shows AM or FM dial scale independently; entire scale changes from brilliant green to black when receiver is switched to phono or off. Automatic stereo/mono FM switching, stereo indicator light, signal strength meter, flywheel tuning. Switches for mode, tape monitor, main/remote speakers, AC power, loudness contour. Stereo headphone jack. Output at 4 ohms: 45 watts ± 1 dB, 35 watts IHF, 10 watts rms per channel. Response: ± 1.5 dB, 15-70,000 Hz. FM Sensitivity: 2.7 μ V. $4\frac{1}{2} \times 15\frac{1}{2} \times 7\frac{1}{2}$ ". With metal case. Takes optional wood case below. AC.

31 B 6110 U. Shpg. wt. 14 lbs. **159.95**
31 B 6111 X. Walnut Wood Case. Shpg. wt. 6 lbs. **9.95**

90-watt Stereo FM-AM Receiver

Model 330. Features ultra-wide response and decorator-designed styling. Provides excellent stereo FM reception. Wide response of ± 1.5 dB, 7-60,000 Hz gives extra realism to sound. Has automatic stereo/mono FM switching, stereo indicator light, signal strength meter, flywheel tuning. Rocker switches for main/remote speakers, power, mode, tape monitor, loudness contour. Illuminated program indicators. Stereo headphone jack, 2 pairs of tape outputs. Output at 4 ohms: 90 watts ± 1 dB, 70 watts IHF, 25 watts rms per channel. Sensitivity: 2.5 μ V. Amplifier input and preamp output accept Quadrasonic adapters. $4\frac{1}{2} \times 15\frac{1}{2} \times 13$ ". With metal case; optional wood case below. AC.

31 B 6112 U. Shpg. wt. 20 lbs. **199.95**
31 B 6113 X. Walnut Wood Case. Shpg. wt. 6 lbs. **16.95**

140-watt Stereo FM Receiver

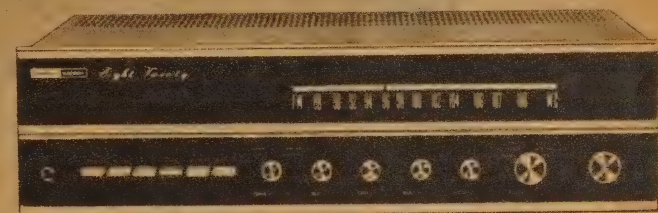
Model 820. Features MOSFET front-end, IC's and crystal filter in the IF strip for superb reception. Between-station muting. Tuning meter, lighted program indicators, automatic stereo/mono FM switching and stereo indicator light. Front panel has tape monitor, stereo headphone jack, loudness contour, scratch filter and main/remote speaker switches. Ebony dial with gold front panel. Output at 4 ohms: 140 watts ± 1 dB, 110 watts IHF, 40 watts rms per channel. Response: ± 1 dB, 5-60,000 Hz. Distortion: less than 0.5%. Sensitivity: 1.8 μ V. With metal case. Walnut case below. $4\frac{1}{2} \times 16\frac{1}{2} \times 12$ ". AC.

31 B 6011 U. Shpg. wt. 25 lbs. **269.95**
31 B 6015 X. Walnut Case. Wt. 6 lbs. **25.50**

20-watt Stereo FM-AM Receiver

Model 130. Ideal for bookshelf—it's only 11 $\frac{1}{2}$ " deep. Pulls in distant stations without fading and offers fine performance in all modes. Automatic mono/stereo switching, stereo indicator light, bass and treble controls. Handsome walnut cabinet. Sloped control panel for easy accessibility. Inputs for magnetic phono or tape—cassette, 8-track or reel-to-reel. Power Output at 4 ohms: 20 watts ± 1 dB, 15 watts IHF; 5 watts rms per channel. Response: 30-20,000 Hz. FM Sensitivity: 5 μ V. Ferrite loopstick AM and FM line cord antennas. $5\frac{1}{2} \times 15\frac{1}{2} \times 11\frac{1}{2}$ ". AC.

31 B 6114 U. Shpg. wt. 18 lbs. **129.95**



269⁹⁵
Metal Case

Has sloped front panel

129⁹⁵
Walnut finish



See page 331 for full Credit details . . buy with no money down

RECEIVERS

SHERWOOD

NOW! World-renowned Sherwood quality for under \$200..in this full 100-watt stereo FM-AM Receiver

199⁹⁵

no money
down
see page 331

- 1.9 μ V FM sensitivity
- Front panel extra tape record and dubbing jack
- FM "hush" control to eliminate "thumps" when tuning stations



Model S-7100. Quality at a budget-price with features you'd expect only in more expensive receivers. Full 100 watts (± 1 dB) of power drives two sets of speakers. Also has main/remote switch—use two systems either independently or in combination. Sensitive FET front end pulls in distant FM stations. Outstanding AM circuit, too. Tape monitor and front panel extra tape dubbing jack—record into two tape recorders simultaneously or dub from one to the other. Headphone jack, loudness control and FM interstation "hush" control to eliminate annoying "thumps" when tuning stations.

Calibrated, illuminated dial and tuning meter for "see-in-the-dark" operation. Stereo light to let you know when you've tuned in a stereo FM station. Power Output at 4 ohms: 100 watts ± 1 dB, 80 watts IHF; 25 watts per channel rms at 8 ohms. Response: 30-20,000 KHz ± 1 dB. Distortion: 1% at rated full output; 0.10% at 10 watts. Stereo and mono speaker output impedance: 4, 8 or 16 ohms. Hum and noise (IHF): phono -65 dB, Aux. -75 dB, volume control minimum -85 dB. With walnut finish wood case. Size: 17 $\frac{1}{2}$ x 13 $\frac{1}{2}$ x 5 $\frac{3}{8}$ ". AC.

31 B 6115 U. Shpg. wt. 30 lbs. **199.95**

GOOD! 150-watt Stereo FM Receiver

Model S-8500. Sensitive field-effect-transistor front-end. Integrated circuits and solid-state ceramic filter in the IF strip for noise-free FM. Interstation hush on FM, tape monitor with front panel headphone jack, monophonic speaker output and main/remote speaker pushbutton. Stereo indicator light and "O center" tuning meter. Power Output at 4 ohms: 150 watts ± 1 dB, 120 watt IHF; 40 watts rms per channel. Sensitivity: 1.8 μ V. Response: 20-20,000 Hz at ± 1 dB at 0.6% distortion. With metal case. Size: 5x6 $\frac{1}{2}$ x 12". AC.

31 B 6116 U. Shpg. wt. 22 lbs. **299.95**

31 B 6138 U. Model S-7500. Above, with AM. 22 lbs. **339.95**

31 B 6118 X. W-9 Walnut Wood Case. 8 lbs. **28.00**

BETTER! 225-watt Stereo FM Receiver

Model S-8900. FET front-end and integrated circuits plus solid-state filter in the IF strip for superior FM and eliminating "thumps" when tuning stations. Between station quieting on FM, tape monitor with front panel tape dubbing jack, stereo headphone jack and monophonic speaker output. Stereo indicator light and "O center" tuning meter. Power Output at 4 ohms: 225 watts ± 1 dB, 180 watts IHF; 70 watts rms per channel. Sensitivity: 1.8 μ V. Distortion: 0.35% at full power output. Response: 20-20,000 Hz (± 1 dB). With metal case. Size: 5x16 $\frac{1}{2}$ x 14". AC.

31 B 6117 U. Shpg. wt. 27 lbs. **399.95**

31 B 6139 U. Model S-7900. Above, with AM. 27 lbs. **439.95**

31 B 6118 X. W-9 Walnut Wood Case. 8 lbs. **28.00**

TOP-OF-THE-LINE! 275-watt Stereo FM

SEL-200. Sherwood's finest receiver with exclusive new "Legendre" Toroid permanently aligned FM IF filter... minimum distortion and superior selectivity. The FET "hush" circuit mutes annoying "thumps" when tuning FM. Independent or combination Main/Mono Remote speaker switching. Tuning and antenna orienting meters. Stereo only switch. Front panel extra record/dubbing jacks, HI filter, mode switch, illuminated source indicators, loudness defeat, panel dim control. Power output at 4 ohms: 275 watts ± 1 dB, 225 IHF; 85 watts rms per channel at 4 ohms at 0.3% distortion. Response: 20-20,000 Hz ± 1 dB. With metal case. 5 $\frac{1}{4}$ x 18 $\frac{1}{2}$ x 14". AC.

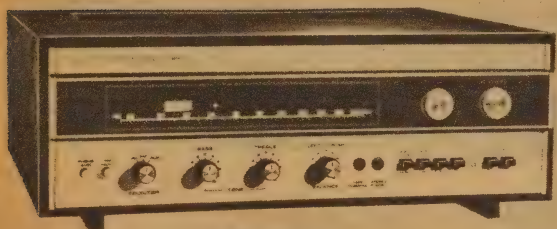
31 B 6119 U. Shpg. wt. 37 lbs. **599.00**

31 B 6137 X. W-4 Walnut Wood Case. Shpg. wt. 8 $\frac{1}{2}$ lbs. **29.95**



299⁹⁵

no money down
see page 331



399⁹⁵

no money down
see page 331



599⁰⁰

no money down
see page 331

NEW! Allied® 55-watt solid-state stereo Amplifier



ONLY
109⁹⁵
Metal Case
no money down
see page 331

Shown in wood case

SPECIFICATIONS

Power Output at 4 Ohms: 55 watts 1 dB, 44 watts IHF, 12 watts rms per channel. **Harmonic Distortion:** less than 1% at rated output. **Frequency Response:** ± 3 dB, 20-35,000 Hz. **Hum and Noise:** mag. phono, -55 dB; aux., -70 dB. **Inputs:** mag. phono, tuner, ceramic or high-level aux., low-level aux., tape recorder. **Input Sensitivity:** mag. phono, 2.5 mV; tuner, tape, 200 mV. **Outputs:** 4, 8, 16-ohm speakers, front panel stereo headphone jack, recording.

- On-off switches for speakers and loudness
- Tape monitor
- Deluxe silicon-transistor preamplifier
- Two auxiliary inputs

Model 429. An extraordinary amplifier value, this model has many built-in extras not expected at this low price. Inputs for phono, tuner and two auxiliaries allow exceptional versatility. Even has a tape recording and playback connector, plus a tape monitor input... all you need for adding a tape recorder or deck. Bass and treble controls with ganged volume control provide excellent stereo balancing and precise tonal adjustments. Positive-action pushbuttons control loudness contour and speaker on-off. Handsomely styled with brushed aluminum front panel. It's an ideal match for Allied's 428 stereo FM-AM tuner on page 49. 4 $\frac{1}{2}$ "x13 $\frac{1}{2}$ "x2 $\frac{1}{2}$ " deep. With metal case. Takes optional wood case below. AC.

31 B 5006 U. Shpg. wt. 15 lbs.109.95
31 B 5015 X. Oiled Walnut Wood Case. Shpg. wt. 6 lbs.19.95

Allied 250-watt solid-state stereo Amplifier



OUR BEST
199⁹⁵
Metal Case
no money down
see page 331

Shown in wood case

SPECIFICATIONS

Power Output at 4 Ohms: 250 watts ± 1 dB, 200 watts IHF, 60 watts rms per channel. **Harmonic Distortion:** less than .08% at 45 watts. **Frequency Response:** ± 2 dB, 10-50,000 Hz. **Hum and Noise:** mag. phono, -65 dB, other inputs, -75 dB. **Input Sensitivity:** magnetic phono, 2 mV; aux. and tape monitor, 200 mV. **Damping Factor:** 30 at 8 ohms. **Channel Separation:** over 35 dB at 10 kHz. **Outputs:** 4, 8, 16-ohm speakers; front panel stereo headphone jack.

- All silicon transistors
- Tape monitor
- Hi and Lo filters
- Full controls, inputs and outputs
- Speaker selector
- 10-50,000 Hz

Model 995. A masterpiece of amplifier design! Full 250 watts of power, virtually unmeasurable distortion, controls and features for truly professional use. Mode monitor switch for stereo reverse, stereo-normal, mono left, mono right, mono mixed (mono L-R). Pushbuttons for scratch and rumble filters, loudness contour, and a tape monitor that permits instant comparison between signal source and tape output signal from 3-head decks and recorders. Provision for two sets of speakers; front panel stereo headphone jack. Bass and treble controls for each channel, balance control. Three AC convenience outlets (one switched, two unswitched) at rear of chassis. With metal case. Takes optional wood case below. 5 $\frac{1}{2}$ "x16x13 $\frac{1}{2}$ " deep. AC.

31 B 5010 U. Shpg. wt. 26 lbs.199.95
31 B 5012 X. Oiled Walnut Wood Case. Shpg. wt. 6 lbs.19.95

Allied's own stereo components give you extra value

Realistic's lowest-price Stereo Amplifier . . a great value!



29⁹⁵

Economy stereo for office, children's room or den

- FREE walnut enclosure
- Phono and tuner inputs
- Full range tone controls
- All solid-state circuitry

SA-100B. Now you can enjoy low priced stereo without compromising quality, features or looks. The 10-watt SA-100B is perfect for your office or as an additional stereo system in any room in your home. Features inputs for crystal or ceramic stereo automatic turntable *plus* any FM, stereo FM and AM tuner. There's even a stereo headphone jack *and* a speaker switch that lets you listen to glorious stereo music in private with the speakers turned off. Lush extruded aluminum panel has a full array of controls, the kind you'd expect to find in most costly amplifiers.

Advanced solid-state circuitry assures you of cool running and life-long reliable operation. Also includes speaker separation balance control, full range high and low frequency tone control and switches for power on/off, phono/tuner selection, speaker/earphone selection and stereo/mono selection. Inputs provided for tuner and phono. Stereo outputs on rear of amplifier for two speakers with impedances from 4 to 16 ohms. Comes complete with necessary jacks and line cord. 9x3x6 1/2". AC.

30 B 1972 X. Shpg. wt. 10 lbs. 29.95

Stereo-Phono Systems featuring Realistic SA100-B Amplifier



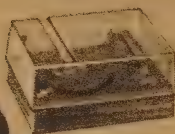
GOOD

79⁹⁵



BETTER

99⁹⁵



BEST

129⁹⁵

- Realistic SA-100B 10-watt Stereo Amplifier
- Realistic 44 4-speed Changer with Base, Dust Cover and Stereo Cartridge
- Two Realistic Solo-4 Speaker Systems

System complete with all wires, cables and instructions.

34 B 1015 D4U. Wt. 33 lbs. 79.95

- Realistic SA-100B 10-watt Stereo Amplifier
- Realistic "Modulaire" 4-speed Changer with Base, Dust Cover and Stereo Cartridge
- Two Realistic "Futura" Speaker Systems

System complete with all wires, cables and instructions.

34 B 1016 D4U. Wt. 40 lbs. 99.95

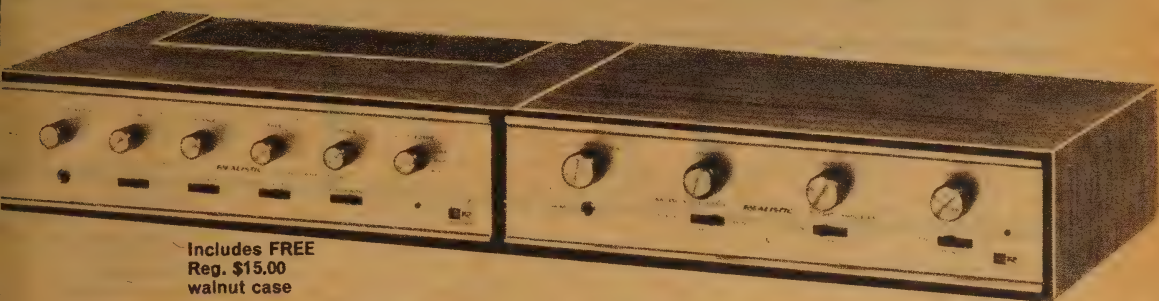
- Realistic SA-100B 10-watt Stereo Amplifier
- Realistic "Modulaire" 4-speed Changer with Base, Dust Cover and Stereo Cartridge
- Two Realistic Minimus-2 Speaker Systems

System complete with all wires, cables and instructions.

34 B 1017 D4U. Wt. 40 lbs. 129.95

See page 331 for full Credit details . . Buy with no money down

More music lovers choose Realistic Stereo Amplifiers



Includes FREE
Reg. \$15.00
walnut case

Realistic 70-watt Deluxe Stereo Amplifier

99⁹⁵

- Main/remote speaker selector switch
- Low distortion
- Solid-state circuitry
- Full fidelity at full power

Realistic full 55-watt Stereo Amplifier

79⁹⁵

- Provides full power bandwidth over entire range
- Full fidelity at full power
- Solid-state circuitry

Model SA-700. Has all the outstanding features of the SA-350 plus some special extras. Tremendous 70-watt power output for those thundering crescendos in large rooms. Tape monitor switch, loudness switch, plus high filter—even has separate volume and balance controls! One of the finest amplifiers available. Specifications (also apply to SA-350): Harmonic Distortion, less than 1%. Response, ± 1 dB. 20-20,000 Hz. With beautiful walnut-veneer wood case. AC.

30 B 1970 U. Shpg. wt. 17 lbs. **99.95**

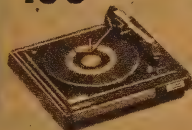
Model SA-350. One of today's best hi-fi values. Full feature stereo amplifier at a price almost anyone can afford. Outstanding features include separate bass and treble controls, automatic loudness compensation, speaker on/off switch, stereo headphone jack, tape output and rear-panel AC convenience outlet. Lets you drive low efficiency full-range speakers to room-filling volume. Ganged volume controls. Complete with oiled walnut wood case. AC.

30 B 1971 U. Shpg. wt. 12 lbs. **79.95**

70-watt Amplifier-Phono Stereo Systems featuring Realistic's SA-700

GOOD

199⁹⁵

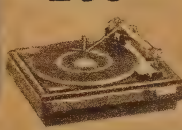


- SA-700 Stereo Amplifier
- Realistic Lab-12A Changer with Base and Stereo Cartridge
- Two Realistic Minimus-2 Speaker Systems

34 B 1024 D4U. Wt. 47 lbs. **199.95**

BETTER

239⁹⁵



- SA-700 Stereo Amplifier
- Realistic Lab-24A Changer with Base and Stereo Cartridge
- Two Realistic MC-1000 Speaker Systems

34 B 1025 D4U. Wt. 75 lbs. **239.95**

BEST

349⁹⁵



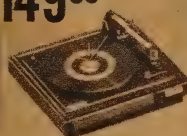
- SA-700 Stereo Amplifier
- Realistic Lab-36 Changer with Base and Super Stereo Cartridge
- Two Realistic Optimus-3 Speaker Systems

34 B 1026 D4Z. Wt. 102 lbs. **349.95**

55-watt Amplifier-Phono Stereo Systems featuring Realistic's SA-350

GOOD

149⁹⁵

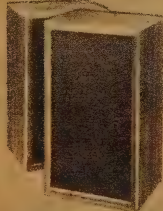


- SA-350 Stereo Amplifier
- Realistic Lab-12A Changer with Base and Stereo Cartridge
- Two Realistic Solo-1 Speaker Systems

34 B 1027 D4U. Wt. 45 lbs. **149.95**

BETTER

199⁹⁵

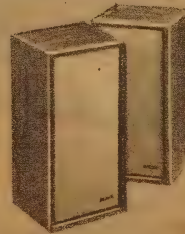


- SA-350 Stereo Amplifier
- Realistic Lab-24A Changer with Base and Stereo Cartridge
- Two Realistic Solo-3A Speaker Systems

34 B 1028 D4U. Wt. 40 1/2 lbs. **199.95**

BEST

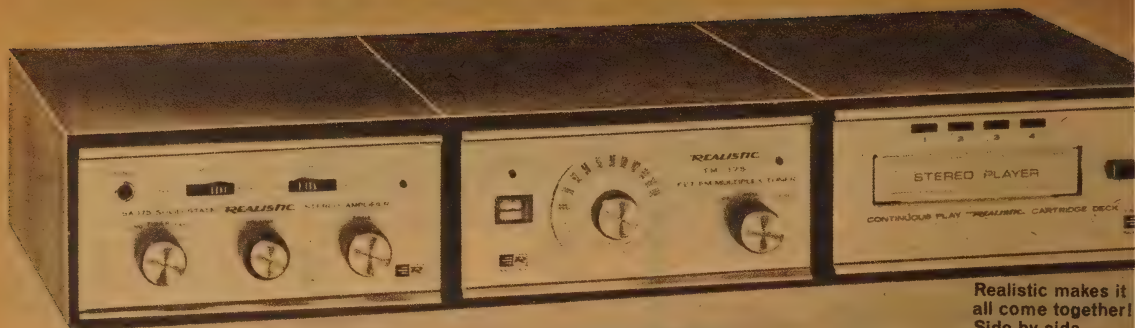
269⁹⁵



- SA-350 Stereo Amplifier
- Realistic Lab-24A Changer with Base and Super Stereo Cartridge
- Two Realistic Optimus-1 Speaker systems

34 B 1029 D4U. Wt. 61 1/2 lbs. **269.95**

Now Over 850 Allied Radio Shack Stores Coast to Coast



FREE \$15 value walnut case

Realistic makes it all come together! Side by side or stacked, they make a perfect match

Sound idea from Realistic! Mini stereo component modules

Big-feature Amplifier

- Full 24 watts of music power
- Complete inputs and outputs

49⁹⁵

Model SA-175. Here's an ideal "mini" sized amplifier for the hi-fi beginner with a modest budget and limited space. We've included inputs for all stereo sources—magnetic phono, tuner and auxiliary—plus tape output and head-phone jack. Controls include input selector, split volume control, tone, stereo/monoswitch and power switch. Response: ± 1 dB, 30-15,000 Hz. With handsome oiled walnut case, 4x7x10". AC.

30 B 1973 U. Shpg. wt. 10 lbs. **49.95**

Budget-pleasing FM Tuner

- Sensitive FET front-end
- Precise center-channel meter

59⁹⁵

Model TM-175. Engineered and designed to give stereo buffs the wanted features of the expensive models. This incredibly low priced tuner has an FET front-end to pull in more stations, more clearly. Rear panel output volume controls. Front-panel stereo/mono switch, pilot light and stereo indicator light. Good-looking extruded aluminum front panel, plus walnut wood case. You get all this for the lowest price we know of! Size, 4x7x10". AC.

31 B 2013 U. Shpg. wt. 8 lbs. **59.95**

Tape cartridge Player Deck

- Play your car tapes at home
- Continuous automatic play

59⁹⁵

Model TR-175. Add the convenience of continuous music to your stereo system with this 8-track home player. Super-simple operation—just push in a cartridge and play. Hinged door keeps tape heads mechanism clean. Has illuminated track indicator and push button for easy track changing. Connects to tape or extra input of any amplifier, receiver or radio. Aluminum front panel and walnut case match the SA-175 and TM-175. 4x7x10". AC.

14 B 1974 X. Shpg. wt. 12 lbs. **59.95**

Money-saving Realistic component Stereo Systems

Complete...this System has everything!



"Mini" System offers "maxi" sound!

249⁹⁵

Tremendous sound value at savings only Allied Radio Shack can offer! You get a full selection of choice components for complete musical entertainment: Realistic's SA-175 24-watt Stereo Amplifier, the Realistic LAB-12A 4-speed Automatic Changer with base and magnetic cartridge, two Minimus-2 Speaker Systems, the Realistic TR-175 8-track continuous-play Tape Deck, plus the Realistic TM-175 Stereo Tuner.

34 B 031 D6U. Shpg. wt. 59 lbs. **249.95**



Stereo Phono System

- Realistic SA-175 Amplifier
- Realistic LAB-12A Changer, Base, Magnetic Cartridge
- Realistic Solo-103 Speakers

34 B 1018. D4U. 34 lbs. **119.95**

119⁹⁵



Stereo FM System

- Realistic SA-175 Amplifier
- Realistic TM-175 FET Stereo FM Tuner
- Realistic MC-1000 Speakers

34 B 1020 D4U. 58 lbs. **189.95**

189⁹⁵



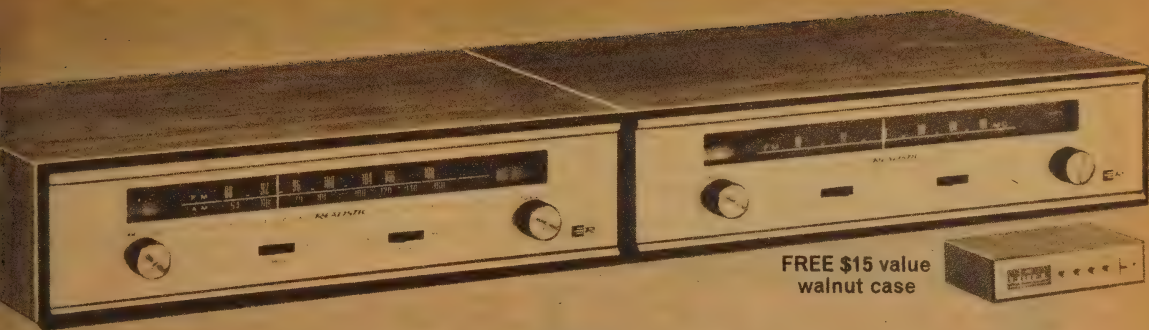
Stereo Phono System

- Realistic SA-175 Amplifier
- Realistic LAB-12A Changer, Base, Magnetic Cartridge
- Realistic Minimus-1 Speakers

34 B 1019 D4U. 36 lbs. **139.95**

139⁹⁵

Buy now on our convenient Credit Fund Plan



FREE \$15 value
walnut case

Realistic Stereo Tuners offer extra features

Advanced Stereo FM-AM Tuner
for true hi-fi reception

99⁹⁵

Model TM-70. Superb design with FET and IC circuit for fine stereo FM with over 30 dB separation. Special AM circuit has separate RF and IF design for superior sound. Includes lighted tuning and signal strength meters, rear panel volume controls. Automatic stereo/mono switching; stereo indicator light. **FM Circuit.** Sensitivity: 2.5 μ V for 20 dB quieting. Image Rejection: 50 dB. Response: 25-20,000 Hz. **AM Circuit.** Sensitivity: 100 μ V. Image Rejection: 35 dB. With case, 10x14x4". AC.

30 B 2015 U. Shpg. wt. 13 lbs. **99.95**

Deluxe solid-state Stereo
FM Tuner at a budget price

79⁹⁵

Model TM-7. Professional features and performance at a price far below what you would expect to pay. Advanced FET/IC circuit assures fine stereo FM regardless of location. Has illuminated tuning meter, front panel volume controls for presetting the level of the tuner to level of other program sources, plus a second set of full level outputs for tape recording. Has the same outstanding specifications as the the TM-70 Tuner (less AM section). Includes walnut wood case. 10x14x4". AC.

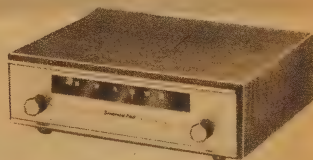
30 B 2014 U. Shpg. wt. 12 lbs. **79.95**



NEW FOR '71 Science Fair
RK-100 Amplifier and RK-101 Tuner.
(See pages 412 413 for full details)

Amplifier
69⁹⁵

Tuner
59⁹⁵



Realistic 15-watt monophonic FM Receiver . . . it's really versatile!

- Combines paging and remote play—separate controls for each
- 15-watt amplifier with preamp

79⁹⁵

Model MTA-20. Bridges the gap between audio and PA by combining the best of both. Can be used as a standard FM receiver with a phonograph or tape recorder added, or with a mike for paging. Up to four 8 ohm speakers may be attached. Paging—breaking into the program with your message—is provided through a built-in monitor speaker. Special "Y" adapters allow stereo devices to be used monophonically. Rear panel AC outlet. 20-20,000 Hz. Incl. \$20.00 value walnut cabinet! 14x10x4". AC.

31 B 2019 U. Shpg. wt. 12 lbs. **79.95**

33 B 990. Microphone. For above. Shpg. wt. 1 lb. **9.95**



Two more money-saving ideas! Systems featuring the MTA-20 Receiver

Home Music System priced for extra value

- Realistic MTA-20
- Realistic LAB-12A Automatic Changer
- Realistic Solo-1 Speaker System
- Realistic MC-1000 Mike

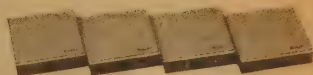
34 B 1022 D3U. 42 lbs. **149.95**



Office/Plant PA System

- Realistic MTA-20
- 4 Realistic 8" wall baffle Speakers
- Realistic MC-100 Paging Microphone

34 B 1023 D6U. 29 lbs. **99.95**



149⁹⁵

99⁹⁵

Convenient Credit plan to fit every budget—see page 331

Stereo Music Systems featuring Allied® Amplifiers



Save
\$69.85 **179⁹⁵**

Enjoy your favorite records more than ever on this value-priced Stereo System

Allied 429 55-watt Stereo Amplifier.....	\$109.95
Garrard 40B 4-speed Automatic Turntable.....	44.50
Base for turntable.....	5.50
Empire 909E/X Elliptical Stereo Cartridge.....	29.95
Pair of Allied 3007 Speaker Systems.....	59.90

SEPARATELY
System Price **179.95**
YOU SAVE **\$69.85**

Moderately priced, yet offers the features you want. Versatile Allied solid-state Stereo Amplifier has a full array of controls and inputs, including tape recording and playback connector. Four-speed Garrard Automatic Turntable has damped cuing. Comes with base and Empire elliptical-diamond-stylus stereo cartridge. Allied Speaker Systems have 8" woofer and 3 1/2" tweeter for smooth, full-range response. Walnut veneer finish. See Note Below.

34 B 5029 D5U. Shpg. wt. 65 lbs. 179.95

Save
\$89.80
269⁹⁵



Above System with the Allied 428 solid-state Stereo FM-AM Tuner

Separately, \$359.75. Save even more and get the extra pleasure of stereo FM-AM listening when you buy the Allied 428 tuner with the 55-watt stereo music system described above. Tuner has all-silicon-transistor circuit, field-effect-transistor front-end and four IF stages to assure you of top performance and convenience. See Note Below.

34 B 5030 D6U. Shpg. wt. 85 lbs. 269.95



Save
\$140.85 **379⁹⁵**

This 250-watt Stereo Music System delivers sound to satisfy any audiophile

Allied 995 250-watt Stereo Amplifier.....	\$199.95
Garrard SL72B 4-speed Automatic Turntable.....	89.50
Base for turntable.....	6.50
Empire 999TE/X elliptical Stereo Cartridge.....	64.95
Two Allied 2330 Speaker Systems.....	159.90

SEPARATELY
System Price **\$520.80**
YOU SAVE **\$140.85**

Tremendous value and performance! Our finest solid-state stereo Amplifier delivers 250 watts of undistorted sound. Has features for truly professional use. Garrard 3-speed Automatic Turntable boasts the famous perfect-speed Synchro-Lab motor. Automatic or manual operation. With base and Empire elliptical-diamond-stylus stereo cartridge. Speaker systems each have 12" woofer, 8" midrange and 3 1/2" tweeter. Walnut veneer finish. See Note Below.

34 B 5031 D5Z. Shpg. wt. 112 lbs. 379.95

Save
\$190.80
579⁹⁵



Above System with the Allied 295 .. our finest Stereo FM-AM Tuner

Separately, \$770.75. Add the enjoyment of Stereo FM-AM programming to the 250-watt system shown above with our magnificent Allied 295 Tuner. FET front-end brings in stereo FM that rivals studio monitor quality. Provides clear, brilliant mono FM and AM too. Designed with the latest features for superlative performance. See Note Below.

34 B 5032 D6Z. Shpg. wt. 137 lbs. 579.95

NOTE: Systems include all cables and plugs; pre-mounted cartridge and Allied's Music System Booklet. Ready to connect together and play. Amplifiers described on page 41 (Tuners, p. 49) include metal case, but are shown in optional wood case. Sent truck or express, see pages 328-330.

Sansui solid-state 230-watt Stereo Control Amplifier



999⁹⁵
Metal Case

- Midrange tone control
- Balance check circuit
- Separable preamp

Model AU-999. Beautifully designed integrated stereo amplifier delivers thrilling realism. Preamp can be used independently of basic power amplifier. Separate bass, midrange and treble controls. Accommodates up to three sets of speaker systems. Two phono inputs, DIN tape deck connection, high and low filter circuits. Power Output at 4 ohms: 230 watts ± 1 dB, 180 watts IHF, 70 watts per channel rms. Frequency Response: ± 1 dB, 5-100,000 Hz. Harmonic Distortion: less than 0.4%. Outputs: 4-16 ohms, tape, headphone. Metal case. $6\frac{1}{2} \times 18\frac{1}{2} \times 11\frac{1}{4}$ " AC.

B 6130 U. Shpg. wt. 39 lbs. **299.95**
B 6131 X. Walnut Wood Case. Wt. 7 lbs. **19.95**



Sansui solid-state 125-watt Stereo Amplifier

279⁹⁵

- Midrange tone control
- Time delay circuit
- Separable preamp and amplifier

Model AU-666. All silicon-transistor circuit. Direct-coupled power amplifier design and DC balance stabilization circuits. Electronic time-delay circuit eliminates "popping". Two phono inputs, DIN tape deck connection, high and low filter circuits, separate bass, midrange and treble controls, muting switch. Accommodates two sets of speaker systems. Power Output at 4 ohms: 125 watts ± 1 dB, 100 watts IHF, 45 watts per channel rms. Frequency Response: ± 1 dB, 10-40,000 Hz. Harmonic Distortion: less than 0.1%. Outputs: 4-16 ohms, tape, headphone. Walnut case. Size, $16\frac{1}{2} \times 5 \times 10\frac{1}{4}$ " AC.

31 B 6121 U. Shpg. wt. 23 lbs. **279.95**



599⁹⁵

Pioneer solid-state 250-watt Stereo Amplifier

Model SA-900. All silicon transistor circuit and FET's for clean sound and lots of power. Features independent use of pre-amplifier and power amplifier sections. Professional-designed circuit and panel. Special high and low filters; muting switch lets to -20 dB; tape monitor; two phono inputs. Accurate 3 dB step controls for treble and bass. Power Output at 4 ohms: 250 watts ± 1 dB, 200 watts IHF, 84 watts per channel rms. Frequency Response: ± 1 dB, 20-50,000 Hz. Harmonic Distortion: less than 0.8%. Outputs: 4-16 ohms, tape, headphone. Rosewood tipped front panel. Size, $5\frac{1}{2} \times 15\frac{1}{2} \times 13\frac{1}{2}$ " AC.

B 6123 U. Shpg. wt. 29 lbs. **259.95**



199⁹⁵

Pioneer solid-state 150-watt Stereo Amplifier

Model SA-700. Silicon transistor circuit and FET's for highest gain and low noise levels. Preamp and amplifier sections may be used independently. Switchable loudness contour. High and low filters; muting switch quiets -20 dB; tape monitor; two phono inputs. Accurate 3-dB step controls for wide range bass and treble. Power Output at 4 ohms: 150 watts ± 1 dB, 120 watts IHF, 44 watts per channel rms. Frequency Response: ± 1 dB, 20-40,000 Hz. Harmonic Distortion: less than 0.05%. Outputs: 4-16 ohms, headphone, tape. Attractive wood tipped front panel. Size, $4\frac{3}{4} \times 14\frac{1}{2} \times 12\frac{1}{4}$ " AC.

31 B 6122 U. Shpg. wt. 19 lbs. **199.95**

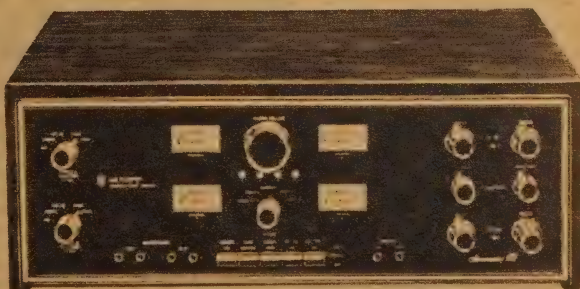
Scott 4-channel 420-watt solid-state Stereo Control Amplifier

599⁹⁵

- 4 separate channels
- Compatible with 2-channel stereo and monophonic

Model 499. Perfect amplifier for the new 4-channel stereo tape decks. Boasts 420 watts of 4-channel stereo power. Can be used with conventional 2-channel stereo and mono inputs as well. Features four individual VU meters, one for each channel. Left, right, front and back balance controls. Mike inputs, bass and treble controls for each channel. Front and back headphone jacks. Piano-type function controls. Power output at 4 ohms: 420 watts ± 1 dB, 340 watts IHF, 35 watts per channel rms at 8 ohms. Frequency Response: ± 1 dB, 15-15,000 Hz. With attractive walnut case. $5 \times 16\frac{1}{2} \times 12$ " AC.

B 6094. Shpg. wt. 14 lbs. **599.95**



Low-priced Fisher 65-watt solid-state Stereo Amplifier



149⁹⁵
less
case



Model TX-50. Features advanced solid-state circuit with versatile preamp for control of all music sources and husky 65-watt stereo amplifier. Convenient rocker switches control main and remote speaker systems, plus high filter (to cut phono needle scratch) and loudness contour. Also has program selector switch for phono, tuner, auxiliary. Ganged bass and treble tone controls have costly Baxandall feedback circuits for distortion-free tone compensation. Has balance control, mono/stereo mode switch and AC power/volume control. Front panel stereo headphone jack permits enjoyment of beautiful high-fidelity music in

complete privacy. Transformerless output stage is protected against any short circuits by Fisher's patented Transist-O-Guard overload circuit. Power at 8 ohms: 65 watts ± 1 dB, 20 W rms per channel. Harmonic Distortion: 0.5% at full power output. IM Distortion: 1% at rated output. Power Bandwidth: 25-25,000 Hz. Hum and Noise: 85 dB below rated output. Striking gold color front panel retains its stylish appearance for life. Taped oil walnut wood case below. 4 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x9". AC.

31 B 6095 U. Shpg. wt. 16 lbs. 14
31 B 6096 X. Walnut Wood Case. Shpg. wt. 6 lbs. 2

Kenwood 230-watt Stereo Amplifier



249⁹⁵ Features wide power bandwidth of 10-50,000 Hz, deluxe controls

Model KA-6000. Solid-state amplifier has 2 dB step-type tone controls with mode switch, muting switch, high and low filters, mode indicators, preamp outputs. Inputs: 2 phono (one with level switch), aux., tape head, tape play, mike, main amplifier. Power at 4 ohms: 230 W ± 1 dB, 180 W IHF, 64 W per channel rms. Response, ± 1 dB, 10-50,000 Hz. Wood end panels. 5 $\frac{1}{2}$ "x16 $\frac{1}{2}$ "x11".

31 B 6125 U. Shpg. wt. 25 lbs. 249.95

Kenwood 95-watt Stereo Amplifier



139⁹⁵ Control of all music sources and smooth, powerful output

Model KA-4002. Step-type tone controls, tape dubbing/record jack, low and high filters, main/remote speaker selection, tape monitor, center channel output. Solid-state. Inputs: 2 phono, 2 aux. Power at 4 ohms: 95 W ± 1 dB, 80 W IHF, 33 W ch. rms. Response, ± 1.5 dB, 20-40,000 Hz. 5x13x9 $\frac{1}{2}$ ". AC.

31 B 6124 U. Shpg. wt. 13 lbs. 139.95
31 B 6132 X. Oiled Walnut Case. Wt. 5 lbs. 11

Sansui 105-watt Stereo Amplifier offers complete control facilities

169⁹⁵

All-silicon solid-state design and professional arrangement of controls



Model AU-555A. Has many of the features of Sansui's larger AU series amplifiers including the distinctive black control panel and controls arrangement. Transformerless circuits using silicon power transistors provide power bandwidth of 20-40,000 Hz and harmonic distortion of only 0.5%. Pre- and main amplifier sections can be used independently if desired. Expensive NF-type tone controls have low-noise transistors and are calibrated; separate bass and treble knobs for each channel. Negative feedback amplification stages result in a response of 20-1000,000

Hz ± 1 dB. Switches for high and low filters, muting, loudness mode, tape monitor, speaker selection, selector. Front-panel headphone jack. Power at 4 ohms: 105 watts ± 1 dB, 85 W IHF, 33 watts per channel rms. Inputs: 2 phono, tape head, tape monitor, mike, 2 auxiliary. Outputs: preamp, tape, speaker. Two-position damping factor switch for matching output any speaker system. Electronic power transistor protection. With walnut case. 5x15 $\frac{1}{2}$ "x11". AC.

31 B 6133 U. Shpg. wt. 18 lbs. 169.95

249⁹⁵
Metal Case

Allied's finest Stereo FM-AM Tuner .. for the ultimate in high-fidelity reception



Shown in wood case

Center channel and signal strength meters for exact tuning

Two crystal filters provide high selectivity for best sound

Four integrated circuits for high reliability and stability

Model 295. You'd have to pay a lot more to get a tuner even a little bit better . . and we doubt if there would even be a "hearable" difference. This Allied tuner is built to bring you stereo FM that rivals studio monitor quality. Field-effect transistors in the front end capture the weakest signals, yet reject unwanted stations. Silicon transistors in all other circuits cut distortion to 0.6%, so low that you'll never hear it. Four integrated circuits and two crystal filters make tuning so selective that strong, local stations don't overpower distant ones. There are center-channel and signal-strength meters plus stereo-FM light for perfect tuning. Between-station silencing lets you dial from a background of quiet, not noise. High-blend pushbutton cuts noise on extra-weak stereo signals. AFC stops FM drift. Tape recording outputs. Output level control. Switched AC convenience outlet. Built-in AM antenna. With metal case. Deluxe wood case below. 5 $\frac{1}{2}$ x16x13 $\frac{1}{4}$ ".

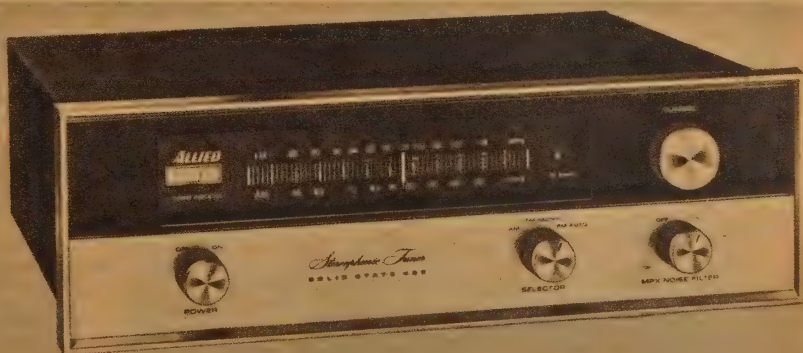
31 B 5011 U. Shpg. wt. 25 lbs. **249.95**
31 B 5012 X. Oiled Walnut Wood Case. Shpg. wt. 6 lbs. **19.95**

SPECIFICATIONS

FM. Sensitivity: 1.5 microvolts. Frequency Response: ± 1 dB, 15-20,000 Hz. Signal-to-Noise Ratio: exceeds 60 dB. Image Rejection: 90 dB. Alternate Channel Selectivity: 65 dB. IF Rejection: 90 dB. Capture Ratio: 1.5 dB. Harmonic Distortion: 0.6% at 100% modulation. Stereo Separation: over 35 dB at 1000 Hz. **AM.** Sensitivity: 10 μ V at 1 MHz. Selectivity: 30 dB at 10 kHz. Power Requirement: 110-120 volts, 60 Hz AC.

NEW! Allied® solid-state Stereo FM-AM Tuner

109⁹⁵
Metal Case



SPECIFICATIONS

CIRCUIT. Sensitivity: 3.0 μ V, IHF. Frequency Response: 20-20,000 Hz. Signal-to-Noise Ratio: 55 dB. IHF. Image Rejection: 55 dB. Stereo Separation: 35 dB. Harmonic Distortion: 1.0%. Antenna Input: 300 ohms. **AM CIRCUIT.** Sensitivity: 12 μ V, IHF. Image Rejection: 47 dB at 1000 kHz. Circuitry: Superheterodyne. Antenna Input: built-in ferrite bar.

Model 428. Even our lowest priced tuner gives you important extras on a par with more expensive models. Field-effect-transistor front-end gets more stations, does not overload from strong local stations. All-silicon-transistor circuit cuts distortion to near the vanishing point. Four IF stages assure sharp tuning without interference. You hear brilliant stereo FM and fine sounding AM. Precision signal-strength meter and weighted flywheel simplify tuning. Special filter cuts noise on weak FM stations. Automatic stereo FM switching; indicator lights up when you are tuned to a stereo broadcast. Output level control. Tape and preamp outputs. Handsome gold tint front panel. With metal case. Deluxe wood case below. 5x13x13 $\frac{1}{4}$ ". AC.

31 B 5007 U. Shpg. wt. 20 lbs. **109.95**
31 B 5015 X. Walnut Wood Case. Shpg. wt. 5 lbs. **19.95**

SHIPPING NOTE: Items with suffix U, W or Z in stock no. sent truck or express. See Ordering Information pages.



Sansui Stereo FM-AM Tuner features field-effect transistors, integrated circuit and four IF stages at a low price

159⁹⁵

- Ultra-stable all-silicon-transistor circuit
- Stereo FM noise canceler and muting switch

SPECIFICATIONS

FM CIRCUIT. Sensitivity: 2.0 μ V for 20 dB quieting; 2.5 μ V I Tuning Range: 88-108 MHz. Signal-to-Noise Ratio: better th 60 dB. Image Frequency Rejection: 55 dB. Selectivity: 45 I IF Rejection: 60 dB. Capture Ratio: 3.0 dB IHF. Total Harmo Distortion: 0.8%. Stereo Separation: better than 35 dB at 400 Spurious Response Rejection: better than 60 dB. **AM CIRCUIT.** Sensitivity: 150 μ V. Selectivity: better than 25 dB. Image jection: 40 dB.

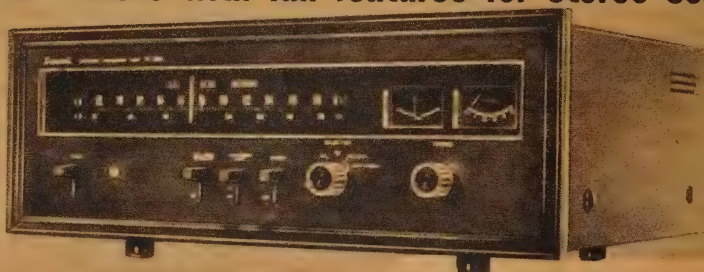
Model TU-666. New at Allied Radio Shack! Delivers outstanding stereo/mono FM with high sensitivity FET front-end and 3-gang tuning capacitor. Also has 4 IF stages and 3 limiter stages to pull in more stations, more clearly. Superior AM section with ceramic filters in the IF stages. Between station silencing; signal strength meter. Automatic stereo/mono switching. Stereo indicator light. Compatible with any good amplifier. Tape recording outputs. Stabilized power supply. Includes walnut wood case. Size, 5x13 $\frac{1}{4}$ x10 $\frac{1}{4}$ ". AC.

31 B 6126 U. Shpg. wt. 11 lbs. **159.95**

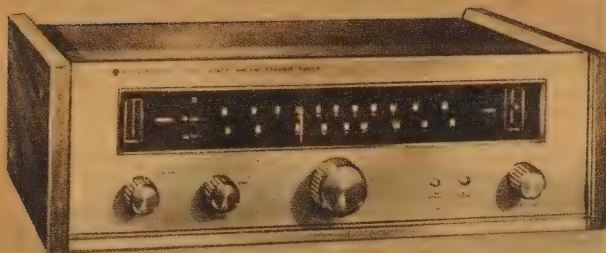
Famous-name Tuners with full features for stereo sophisticates

All-new Sansui Stereo FM-AM solid-state Tuner

A



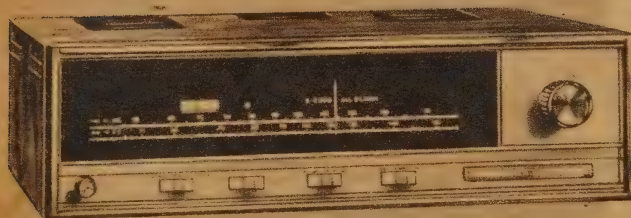
279⁹⁵



Deluxe Kenwood solid-state Stereo FM-AM Tuner

B

249⁹⁵



Sherwood professional quality solid-state Stereo FM-AM Tuner

C

199⁹⁵
less case

A Sansui TU-999. Engineered and styled for the fut

Combines a linear 4-gang capacitor and 3 FETs for extraordinary FM sensitivity; fine AM, too. Three ICs crystal filter and a block filter for ideal IF characterist FM Automatic Gain Control switch. Also has two tun meters, stereo indicator light, FM muting and multi noise canceler. Sensitivity: 1.8 μ V IHF. Selectivity: 70 Harmonic Distortion: 0.5%. Image Rejection: better th 90 dB. Stereo Separation: 38 dB at 400 Hz. Metal ca Takes optional wood case below. 6 $\frac{1}{2}$ x17 $\frac{1}{2}$ x13 $\frac{1}{2}$ ". AC.

31 B 6127 U. Shpg. wt. 22 lbs. **279⁹⁵**
31 B 6134 X. Walnut Wood Case. 6 lbs. **11⁹⁵**

B Kenwood KT-7000. Boasts traditional Kenwood ex lence featuring field-effect-transistor front-end and tegrated circuit IF strip for highly sensitive, noise-FM; also has wideband AM. Two crystal filters in th strip provide superior selectivity. Other features incl center channel and signal strength meters, stereo indic light, between-station quieting on FM, multiplex filter full tape outputs. Sensitivity: 1.5 μ V. Response, -2 dB, 15,000 Hz. Harmonic Distortion: 0.6%. Metal case v walnut panels. 5 $\frac{1}{2}$ x16 $\frac{1}{4}$ x11 $\frac{1}{4}$ ". AC.

31 B 6128 U. Shpg. wt. 24 $\frac{1}{2}$ lbs. **249⁹⁵**

C Sherwood S-2300. Field-effect-transistor front-end integrated circuit IF strip for excellent FM selecti and 1.8 μ V sensitivity—one of the industry's finest rati excellent AM, too. Has stereo indicator light, zero-ce tuning meter, multiplex filter and interstation muting FM. Distortion: less than 0.15% Optional cases sold low. Size, 4x14x10 $\frac{1}{2}$ ". AC.

31 B 6098 U. Shpg. wt. 14 lbs. **199⁹⁵**

31 B 6140 X. Leatherette Covered Metal Case. 5 lbs. **199⁹⁵**

31 B 6141 X. Walnut Case. Shpg. wt. 7 lbs. **249⁹⁵**

One of Pioneer's newest and finest Stereo FM-AM Tuners with every advanced feature

259⁹⁵

Remarkable 1.7 μ V FM sensitivity
Dual meters for perfect tuning

del TX-900. Has 3 FETs and a 4-gang variable capacitor the FM front-end for extremely high sensitivity and rock-
-ready reception. Separate oscillator and mixer for outstand-
-AM. Two crystal filters in the IF section for excellent
-activity and capture ratio. Also has 4 ICs for superior chan-
-separation. Time-switching multiplex, center channel and
-nal strength tuning meters. Stereo FM light; "bright spot"
-icator lights on station tuned to. Switchable line voltage.
-ome panel, rosewood end panels. 5 $\frac{1}{2}$ x15 $\frac{1}{2}$ x14". AC.
3 6129 U. Shpg. wt. 17 $\frac{1}{2}$ lbs. 259.95
3 6144 X. Walnut Wood Case. 6 lbs. 9.95



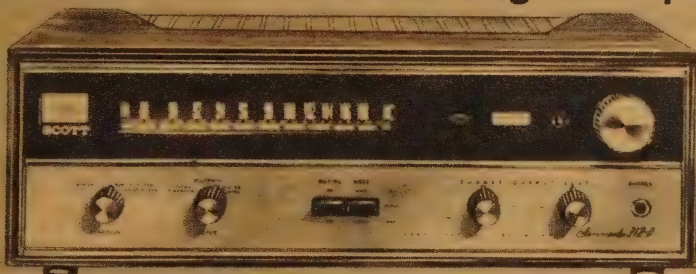
SPECIFICATIONS

FM CIRCUIT. Equipped with interstation muting and stereo FM noise filter. Time-switching demodulator boosts stereo by increasing response. *Sensitivity:* 1.7 μ V IHF. *Frequency Response:* \pm 2 dB 50-15,000 Hz. *Signal-to-Noise:* 60 dB. *Capture Ratio:* 1.5 dB. *Selectivity:* 65 dB. *Harmonic Distortion:* 0.3% at 100% modulation. *Stereo Separation:* 38 dB at 100 Hz. **AM CIRCUIT.** *Sensitivity:* 10 μ V IHF. *Image Rejection:* 70 dB. Ferrite bar antenna. Separate output level control of each channel.

Renowned Scott Stereo FM Tuner..designed for perfectionists

as FETs and
s for superb
M reception

249⁹⁵
less
case



*Features include
3-way tuning meter,
interstation muting,
and crystal filters
in the IF stage*

del 312D-1. Features silver-plated field-effect-transistor
-it-end and integrated circuit IF strip for high sensitivity,
-noise and better stereo separation. Crystal filters in the
-strip provide superb selectivity. Has three-way tuning
-ing: center tuning, signal strength, multipath. Interstation
-ing, plus a switchable filter to cut noise on weak signals.
-omatic stereo switching with indicator light. Outputs for
-dphones, tape recording, oscilloscope and low impedance.

Takes optional case below. 4 $\frac{1}{2}$ x15 $\frac{1}{2}$ x13 $\frac{1}{4}$ ". AC.
31 B 6061 U. Shpg. wt. 13 lbs. 249.95
31 B 6136 X. Walnut Wood Case. Shpg. wt. 6 lbs. 20.82

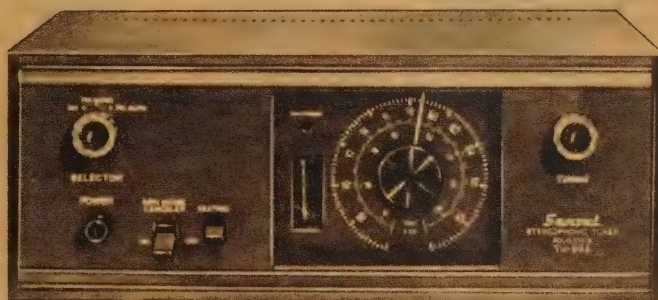
SPECIFICATIONS

Usable Sensitivity: 1.7 μ V. *Cross Modulation Rejection:* 90 dB. *Selectivity:* 46 dB. *Stereo Separation:* 40 dB. *Capture Ratio:* 1.9 dB. *Signal-to-Noise Ratio:* 65 dB.

Compact Sansui solid-state Stereo
FM-AM Tuner with full features

129⁹⁵

field-effect-transistor front-end,
plus AGC for strong, clear reception
Really compact... weighs less than 9 lbs.



del TU-555. Delivers true professional performance in a
-ce-saving design. Incorporates every important feature for
-stereo at a budget-pleasing price. Combines FETs with a
-ng tuning capacitor front-end for 2.0 μ V sensitivity, low
-e and better stereo separation. Crystal filters in the IF
-o for precise tuning of even hard-to-receive stations.
-lized power supply eliminates drift. Other features in-
-ude: interstation muting, illuminated tuning meter, auto-
-ic stereo FM switching, local/distance switch. Outputs for

recorder, headphone. Metal case. 4 $\frac{1}{2}$ x11 $\frac{1}{2}$ x11 $\frac{1}{2}$ ". AC.
31 B 6135 U. Shpg. wt. 9 lbs. 129.95

SPECIFICATIONS

FM CIRCUIT. *Sensitivity:* 2.0 μ V for 20 dB quieting; 2.5 μ V IHF. *Harmonic Distortion:* less than 0.8%. *Signal-to-Noise Ratio:* better than 60 dB. *Selectivity:* better than 45 dB. *Stereo Separation:* better than 35 dB. **AM CIRCUIT.** *Sensitivity:* 20 μ V. *Selectivity:* better than 20 dB.

Knight-Kit[®] components . . easier-than-ever to build



- Exclusive Modular Concept* assembly
- Easy-to-follow step-by-step instruction
- Easy to understand oversize diagrams
- Solid-state for finest performance

KG-988A RECEIVER*, see page 377



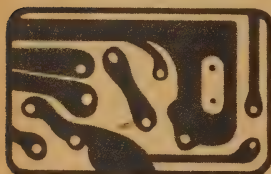
KG-996, RECEIVER*, see page 377



KG-865 AMPLIFIER, see page 374



KG-796 TUNER*, see page 375

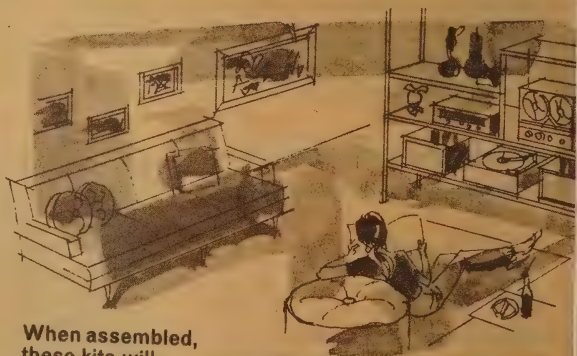


**Exclusive
Modular Concept*
for the easiest
kit-building**

*Most parts are mounted and soldered on PC circuit boards which are easily mounted on the chassis. All you do is make the interconnections. Critical PC boards are aligned at the factory for highest reliability . . . cuts assembly time, assures great performance.



Oversized diagrams and easy-to-follow instructions included with every kit



When assembled, these kits will add entirely new possibilities of elegant decor styling to your home or apartment



Science Fair™ do-it-yourself hi-fi kits for low-cost stereo



RK-100 AMPLIFIER, see page 412

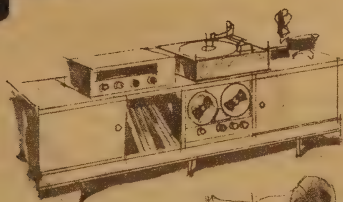


RK-101 TUNER, see page 413

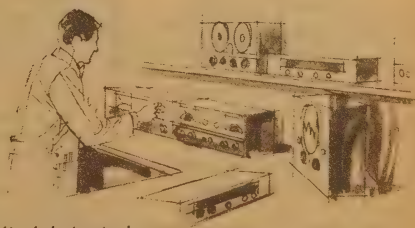
- Easy-to-follow instructions written in non-technical terms included in each kit
- Easy printed circuit board assembly . . . all you do is solder the interconnections
- Finished kit lends new style to your decor



Easy to assemble with detailed instructions



Pleasureable listening when kit is finished



All kits lab-tested for top performance

EICO

STEREO HI-FI KITS

NEW! 50-watt Stereo FM-AM Receiver I has deluxe features at a low, low price



109⁹⁹

Kit version
of \$169.99
assembled

**Includes everything
for fine reception**

- Ultra-stable silicon solid-state circuit
- Drift-free FET front-end design
- Transformerless output for wide response
- High-gain low-noise preamplifier
- Modern styling with "black-out" dial

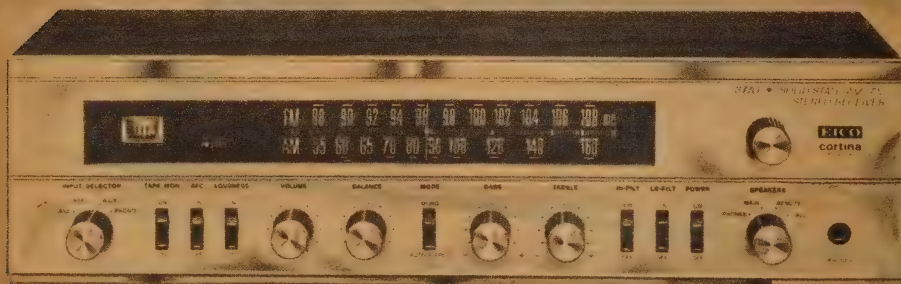
Model 3780. Now enjoy traditional Eico quality at an amazingly low price. Deluxe all-silicon transistor circuit provides superb performance. Front-end has FETs to pull in more FM stations, more clearly. Provides excellent AM, too. Develops 50 watts of music power—enough to drive almost any pair of speaker systems. Transformerless output assures wide response and low distortion. Preamplifier has high overload level for full dynamic range. Time-switching multiplex circuit automatically tunes stereo FM.

Modern FM-AM dial "blacks-out" when not in use. Factory assembled and aligned—no end, IF strip and multiplex circuit for easy kit assembly and top performance without alignment tools. Precision tuning meter indicates the most accurate dial setting for fine reception of all stations. Panel light tells you when you are receiving stereo FM broadcast. Computer-type pushbuttons control tape, mode, AFC, and power on/off.

Power Output at 4 Ohms: 50 watts ± 1 dB, 32 watts IHF, 11 watts rms per channel (8 ohms). Response: ± 3 dB, 20-20,000 Hz. FM Sensitivity: 3.5 μ V IHF. Harmonic Distortion: less than 1.75%. Hum and Noise: 70 dB. FM Separation: 33 dB. Inputs: magnetic phono, auxiliary (tape). Outputs: 4-16 ohms, tape and stereo headphones. Switched AC receptacle. Attractive walnut-finish vinyl-clad case, molded end panels. 4x16x9". AC.

31 B 6012 X. Kit Form. Shpg. wt. 12 lbs.

Exceptional value . . Eico deluxe 80-watt Stereo FM-AM Receiver I



189⁹⁹

Kit version
of \$279.99
assembled

**Check these features for
quality and convenience**

- Superior all-silicon transistor circuit
- Five tuned circuits in FM front end
- Four double-tuned IF stages for clear FM
- Factory assembled front end, IF strip, multiplex circuit

Model 3770. Here are features and performance you would expect to find only in the high priced kits. Dependable all-silicon-transistor circuit develops a mighty 80 watts—enough power to drive just about any speaker systems made. Five tuned circuits in the front plus four double-tuned IF stages deliver magnificent stereo FM. Excellent AM, too. Easy build with preassembled front-end and multiplex circuit, factory-aligned IF strip—yep, top performance without using special alignment tools and equipment. Full array of controls and facilities offer a degree of flexibility generally associated with professional equipment. Time-switching multiplex on FM, switchable AFC, stereo indicator light and signal strength meter assure tuning accuracy and convenience. Main/remote speaker selector switch.

Power Output at 4 Ohms: 80 watts ± 1 dB; 70 watts IHF, 20 watts rms per channel. Features tape monitor, loudness contour, mono/stereo mode switch, rumble and scratch tone, stereo headphone jack. Response: $\pm 1/2$ dB, 8-60,000 Hz. FM Sensitivity: 2.4 μ V IHF. Harmonic Distortion: less than 0.75%. Hum and Noise: -70 dB. FM Separation: 40 dB. Inputs: magnetic phono, tape and auxiliary. Outputs: 4-16 ohms, tape and stereo headphones. With walnut finish vinyl-clad metal case. 4 1/2 x 16 x 9". AC.

31 B 6014 U. Kit Form. Shpg. wt. 15 lbs.

Eico 3300. Outstanding new solid-state tuner value! Versatile features and quality design at a remarkably low price. Ideal for use with Model 3080 Amplifier below. Silicon transistors assure long life and stable performance. Field-Effect-Transistors in the front-end section provide drift-free reception and exceptional signal-pulling power.

Has automatic stereo/mono FM switching, AFC on FM, tuning meter, plus stereo indicator light for added convenience. Kit has preassembled front end, multiplex circuit and IF strip to assure optimum performance without the expense and trouble of alignment tools and other special gear.

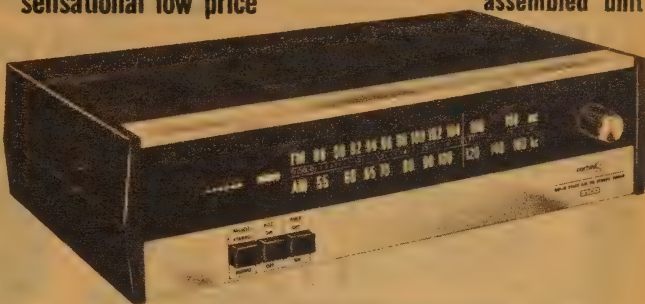
FM Sensitivity: 3.5 μ V IHF. Signal-to-Noise Ratio: 60 dB. Separation: 33 dB at 1 kHz. Selectivity: 20 dB. Tuning dial "blacks-out" when not in use. Vinyl-clad, walnut finish metal case with custom molded end panels. Size, 3 $\frac{1}{2}$ x12x7". AC.

31 B 6004 X. Kit Form. Shpg. wt. 7 lbs. **69.95**

NEW! Solid-state Stereo FM-AM Tuner Kit at sensational low price

69⁹⁵

Kit version
of \$109.95
assembled unit



Eico 3080. Versatile enough to satisfy audiophiles, simple enough for the beginner to assemble, and priced amazingly low! Premium silicon-transistor transformerless circuit develops 50 watts—ample power to drive almost any pair of speaker systems.

High gain, low distortion preamplifier provides full dynamic range. Computer-type pushbuttons control tape, mode, and power on/off. Front-panel stereo headphone jack. Compact, low silhouette design is ideal for bookshelf or cabinet installation. Ideal companion for Model 3300 Tuner above.

Power Output at 4 Ohms: 50 watts \pm 1 dB, 32 watts IHF, 11 watts rms per channel (8 ohms). Response: \pm 3 dB, 20-20,000 Hz. Harmonic Distortion: 0.4%. Hum and Noise: -70 dB. Inputs: magnetic phono, tuner, auxiliary (tape). Outputs: 4-16 ohms, tape, stereo headphones. Walnut-finish vinyl-clad metal case with molded end panels. 3 $\frac{1}{2}$ x12x7". AC.

31 B 6006 X. Kit Form. Shpg. wt. 8 lbs. **69.95**

NEW! Eico solid-state 50-watt Stereo Amplifier Kit

69⁹⁵

Kit version
of \$109.95
assembled unit



Eico 3070. Small wonder this is Eico's most popular stereo amplifier kit—offers powerful performance and advanced circuit design at a budget-pleasing price. Silicon-transistor circuit with transformerless output develops a full 80 watts.

Preamp has wide dynamic range to prevent clipping distortion due to overloads. Features scratch and rumble filters, mode switch, loudness contour and main/remote speaker selector.

Power output at 4 ohms: 80 watts \pm 1 dB, 70 watts IHF, 20 watts rms per channel. Response: \pm 1 $\frac{1}{2}$ dB, 5-100,000 Hz. Harmonic Distortion: less than 0.8%. Hum and Noise: -72 dB. Inputs: magnetic phono, tuner, auxiliary. Outputs: 4-16 ohms, extension speakers, headphones, tape monitor. Walnut-finish vinyl-clad metal case. 3 $\frac{1}{2}$ x12x8". AC.

31 B 6008 X. Kit Form. Shpg. wt. 8 lbs. **99.95**

"Cortina" 80-watt silicon solid-state Stereo Amplifier Kit

99⁹⁵

Kit version
of \$139.95
assembled unit



Eico 3150. All the power, quality and features that you would ever want—and look at the remarkably low price! Boasts silicon transistors for pure sound and extra stable operation. Transformerless output develops a tremendous 190 watts for stunning stereo sound and enough power to drive several speaker systems at once.

The feature preamp has an impressive array of controls for all music sources: tape monitor, scratch and rumble filters, mode switch, speaker selector, loudness contour and stereo headphone jack.

Power output at 4 ohms: 190 watts \pm 1 dB, 150 watts IHF, 50 watts rms per channel. Frequency Response: \pm 1.5 dB, 10-30,000 Hz. Harmonic Distortion: 0.1%. Hum and Noise: -75 dB. Two AC convenience outlets, one switched. With walnut-finish vinyl-clad metal case. Size, 3 $\frac{1}{2}$ x15x7 $\frac{1}{2}$ ". AC.

31 B 6010 U. Kit Form. Shpg. wt. 17 lbs. **149.95**

Deluxe 190-watt silicon solid-state Stereo Amplifier Kit

149⁹⁵

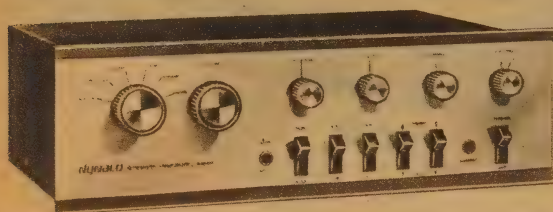
Kit version
of \$225.00
assembled unit



DYNACO

STEREO HI-FI KITS

Perfectionist-quality solid-state Component kits . . outstanding high-fidelity at very "affordable" prices



Solid-state Stereo Preamplifier Kit

Kit version of
\$129.95 assembled unit

89⁹⁵

Model PAT-4. Dynaco's finest stereo preamplifier kit. It's the ideal mate for the "Stereo 120," "Stereo 80" or any other quality basic power amplifier. No-compromise solid-state design features premium silicon transistors for superior stability and distortion-free sound. Positive-action rocker switches control volume, tape monitor, power, rumble filter and dual modes. Four-position high filter. Has six-position program selector switch, balance control, and dual-concentric bass and treble tone controls. Inputs for high and low level phono cartridges, tape head, tuner, tape recorder and auxiliary. Front-panel input for guitar, microphone or recorder. Frequency Response: ± 0.5 dB, 10-100,000 Hz. Harmonic Distortion: 0.05% at 2 volts output. IM Distortion: 0.05% at 2 volts output. Mag. Phono Input Hum and Noise: 70 dB below 10 μ V input. Includes metal case with satin gold-color aluminum front panel. Size: $4\frac{1}{2} \times 13\frac{1}{2} \times 8$ ". For 120/240 VAC.

31 B 6063 X. Kit Form. Shpg. wt. 11 lbs. 89.95



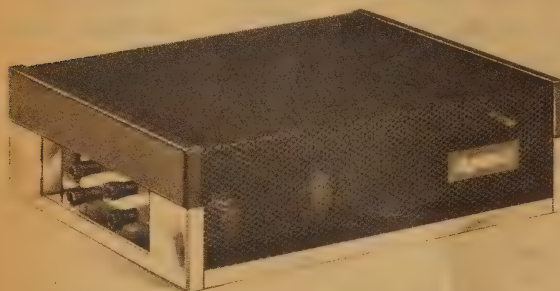
Solid-state 80-watt Amplifier Kit

Kit version of
\$249.95 assembled unit

169⁹⁵

Model SCA-80. Premium-quality solid-state stereo control amplifier kit delivers 80 watts of clean, honest rms power enough to drive two sets of low-efficiency speaker systems: concert hall volume. Gives you all the features and quality not found in amplifier kits in its price class. All-silicon transistor circuit. Ganged bass, treble, balance and volume controls. Rocker switches control AC power, loudness compensation, tape monitor, noise filter, mono/stereo/blend mode and speaker system selector. Also has stereo headphone jack for private listening. Power: 40 watts rms per channel at 8 ohms. Frequency Response: ± 0.5 dB, 15-50,000 Hz. Power Bandwidth: 6-50,000 Hz. IM Distortion: less than 0.1%. Hum and Noise: Phono, -60 dB; Aux., -80 dB. Input Sensitivity: Phono, 3 mV; Aux., .13 V. Complete with satin gold front panel and metal case, easy-to-follow instruction booklet. Can be assembled in 8 to 12 hours. Size: $4\frac{1}{2} \times 13\frac{1}{2} \times 10$ ". 120/240 VAC.

31 B 6059 U. Kit Form. Shpg. wt. 16 lbs. 169.



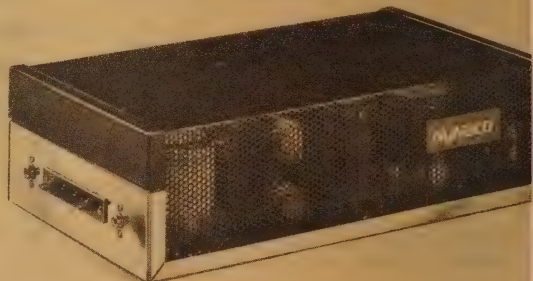
"Stereo 120" 120-watt Basic Amplifier Kit

Kit version of
\$199.95 assembled unit

159⁹⁵

Dynaco's best! Solid-state stereo amplifier has silicon transistors for thermal stability. Oversize power transformer and regulated power supply provide full output power over the entire audio frequency spectrum. Self-regulated bias and overload circuit protect audio transistors. Power: 60 watts rms per channel at 8 ohms. Transformerless audio circuit assures the widest possible response: ± 0.5 dB, 5-100,000 Hz. Harmonic Distortion: 0.5%. IM Distortion: less than 0.5%. Power Bandwidth: 5-50,000 Hz. Hum and Noise: 95 dB below rated output. Output Impedance: 4-16 ohms. Input: 1.5 volts into 100,000 ohms for rated output. Use with PAT-4, PAS-3X or any other good stereo preamplifier. Plated chassis with metal cover. $4\frac{1}{2} \times 13\frac{1}{2} \times 10$ ". 120/240 VAC.

31 B 6062 U. Kit Form. Shpg. wt. 20 lbs. 159.95



"Stereo 80" 80-watt Basic Amplifier Kit

Kit version of
\$159.95 assembled unit

119⁹⁵

Professional-quality solid-state stereo power amplifier with silicon transistors for high reliability and finest sound. Transformerless output stage assures ultra-wide response and clean undistorted sound over the entire audio frequency spectrum. Factory-wired etched circuits assure easier assembly. Output stage is fully protected against short-circuits or overload. Power: 40 watts per channel rms at 8 ohms. Response: ± 0.5 dB, 15-50,000 Hz. Harmonic Distortion: ± 0.5 %. IM Distortion: less than 0.1%. Power Bandwidth: 6-50,000 Hz. Hum and Noise: 95 dB below rated output. Outputs: 4-16 ohms. Input: 1.3 volts into 100,000 ohms for rated output. Use with PAT-4, PAS-3X, or any other quality stereo preamplifier. With metal cover. $4\frac{1}{2} \times 13\frac{1}{2} \times 9$ ". 120/240 VAC.

31 B 6097 U. Kit Form. Shpg. wt. 20 lbs. 119.95

Superior tube-type Stereo and Mono Dynaco components . . . easy to build . . . superb sound

35-watt Amplifier Kit

Model SCA-35. Powerful, moderately priced integrated amplifier features full inputs, outputs and controls for all music sources. Has selector switch for tape head, radio, phono, tape and spare. Also has ganged bass and treble controls, balance control, mono/stereo mode switch, loudness compensation, scratch filter and AC power switch. Provision for connecting monophonic center-channel speaker. Power Output: 17.5 watts rms per channel. Response: ± 0.25 dB, 20-20,000 Hz. THD: less than 1% at rated output. Hum and Noise: 30 dB down. Metal case, $4\frac{1}{2} \times 13 \times 10"$. AC.

31 B 6104 X. Kit Form. Shpg. wt. 21 lbs. 99.95

Stereo FM Tuner Kit . . . exceptional value

Model FM-3. Broadcast quality at a budget price! Superb stereo tuner kit features cathode-coupled RF stage and slug-tuned coils for laboratory-accurate alignment without the use of special tools or equipment. Also has stages for virtually noise-free and distortion-free FM reception. Smooth planetary drive, "Bar" type "Magic Eye" and stereo indicator for easy tuning accuracy. Time-switching multiplex provides 30 dB stereo FM separation. FM Sensitivity: 4 μ V IHF. S/N Ratio: 70 dB. Response: ± 5 dB, 10-15,000 Hz. Metal case. $4\frac{1}{2} \times 13 \times 8"$. AC.

31 B 6103 X. Kit Form. Shpg. wt. 13 lbs. 99.95

"Stereo 70" 70-watt Stereo Basic Amp Kit

A favorite among critical music lovers, Dynaco's "Stereo 70" basic amplifier kit has ultra-wide frequency response and plenty of undistorted power. Prewired etched circuits, detailed, easy-to-follow instructions and large pictorials make this an amazingly simple kit to build. Absolute stability and professional performance is assured by the use of conservatively operated, premium components. Power: 70 watts rms. IM Distortion: less than 1%. Frequency Response: ± 0.5 dB, 10-40,000 Hz. Hum and Noise: -90 dB. Sensitivity: 1.3 V for rated output. Includes four EL34 output tubes. Complete with cage. Perfect companion for the PAS-3X, PAT-4 or any other high-performance preamplifier. Measures $6\frac{1}{2} \times 9\frac{1}{2} \times 13"$. AC.

31 B 6064 X. Kit Form. Shpg. wt. 31 lbs. 99.95

Famous PAS-3X Stereo Preamp Kit

Finest of the precision PAS Series of renowned stereo preamplifier kits. Complete control facilities. Ideal for the "Stereo 70," "Stereo 120," "Stereo 80" or any good basic amplifier. Critical circuitry pre-wired. Tone control circuit, when placed in "0" position, disables circuit for absolutely flat response. Variable channel separation. ± 0.5 dB, 10-40,000 Hz. Has 5 tubes, rectifier. Satin-tone extruded gold panel. $4 \times 13 \times 8"$. AC.

31 B 6065 X. Kit Form. Shpg. wt. 11 lbs. 69.95

Dynaco monophonic hi-fi Component Kits

Buy one Amp for great mono hi-fi . . . buy a pair for super stereo!

Model Mark III 60-Watt Basic Amplifier Kit. A truly magnificent monophonic performer at a fantastic low price. When used in stereo pairs, will give you performance matched only by the highest priced components. Has pre-wired etched circuits for easiest assembly. Specially designed Dyna Biaset maintains peak output tube bias, regardless of tube aging. Includes two KT88 output tubes. Power: 60 watts rms. Intermodulation Distortion: Under 1%, even at full power! Hum and Noise: -90 dB. Outputs: 4-16 ohms. With simple step-by-step instructions and protective cover. $6\frac{1}{2} \times 9 \times 9"$. AC. Shpg. wt. 28 lbs.

31 B 6074 X. Kit Form. 79.95

Model Mark IV 40-Watt Basic Amplifier Kit. Deluxe amplifier has prewired transformers for purest sound, inaudible distortion. Response: ± 0.5 dB, 10-40,000 Hz. Distortion: under 1%. Hum and Noise: 90 dB. Outputs: 4-16 ohms. With cover. $7 \times 14 \times 15"$. AC. 20 lbs.

31 B 6073 X. Kit Form. 59.95

Model PAM-1 Preamp Kit. Built for Mark III and Mark IV basic amplifiers. Facilities for all sources. Response: ± 0.5 dB, 10-40,000 Hz. Distortion: .05%. With protective cover. $2\frac{1}{2} \times 12 \times 6"$. No power supply, takes power from Mark III or Mark IV. Shpg. wt. 7 lbs.

31 B 6066 X. Kit Form. 34.95



Kit version of **99⁹⁵**
\$139.95 assembled unit



Kit version of **99⁹⁵**
\$154.95 assembled unit



Kit version of **99⁹⁵**
\$129.95 assembled unit



Kit version of **69⁹⁵**
\$109.95 assembled unit



Mark III **79⁹⁵**

EICO KITS

COLOR ORGANS

See your music displayed in thrilling color
—with a beat to match your favorite sound

Four-color
operation for
spectacular
light display

Giant
30x15"
shatterproof
screen

Kit form
79⁹⁵



Giant 4-channel Color Organ

Model 3450. For the armchair audiophile or professional musician. See every tone, every note, every combination of instruments create its own vivid pattern. All-electronic 4-channel operation plus giant 30x15" shatterproof plastic screen. Unit can be connected directly to hi-fi, tape recorder, or guitar amplifier without loss in sound quality or volume. Connects easily in seconds. Solid-state circuitry throughout for top reliability. With walnut cabinet, 30x15x11", AC. Shpg. wt. 22 lbs.

31 B 6071 U. Kit 79.95
31 B 6072 U. Assembled 109.95



Kit form
49⁹⁵

3-channel Color Organ

Model 3440. Watch reds, blues and greens dance to your favorite beat. Color and intensity change with frequency and volume of music. Connects in seconds to speaker leads of any hi-fi or guitar amplifier. Built-in volume control assures full performance at any power level. Has no effect on sound volume or quality. Solid-state circuit—not mechanical. Shatterproof 9x14" plastic screen. Walnut grain wood case measures 10x15x6". For 115V, 60 Hz AC. Shpg. wt. 12 lbs.

31 B 6069 X. Kit 49.95
31 B 6070 X. Assembled 79.95



Kit form
64⁹⁵

4-channel Color Organ

Model 3445. Add true synchronization of color and sound, plus 4-channel operating capability to your hi-fi or guitar amplifier for spectacular color effects. Solid-state color organ responds to output of amplifier to change light color and brightness as the frequency and volume of the music varies. Built-in volume control lets you adjust for varying input power levels. Uses low-voltage high intensity lamps. Shatterproof 24x12" plastic screen. Walnut case, 24x12x10". AC. 18 lbs.

31 B 6067 U. Kit 64.95
31 B 6068 U. Assembled 99.95



Single-channel Color Organ

Assembled
39⁹⁵

Large
24x10"
screen

Model 3435A. Just lower the house lights and turn it on to produce an interesting and unusual effect. Light intensity varies with music volume and tempo. One channel circuit doesn't affect sound quality or volume. Connects in seconds to any hi-fi or guitar amplifier. Sturdy 24x12x10" cabinet has shatterproof plastic screen, walnut finish, 115 VAC. Wt. 18 lbs.

31 B 6083 U. Assembled 39.95

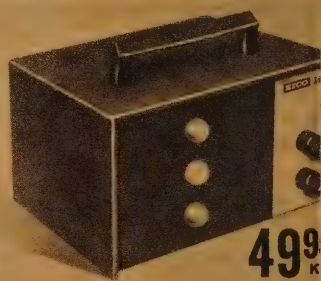


39⁹⁵
Kit

Strobe with audio control

Model 3475. Newest sensation in audio lighting effects. Strobe flashes in time to music, adjusts rate automatically. Sensitivity control permits use with low volume levels. Connects to any audio line in seconds. Rugged vinyl clad metal case, 6 1/4 x 9 3/4 x 5 3/4". Complete with spun aluminum reflector, plug-in xenon bulb. AC. Shpg. wt. 3 lbs.

31 B 6075 X. Kit 39.95
31 B 6076 X. Wired 59.95
31 B 6077 X. Model 3470. Similar to above, but with manual flash rate adjustment. Wt. 3 lbs. Kit 29.95
31 B 6078 X. Wired 44.95



49⁹⁵
Kit

Sound/Color Translator

Model 3465. Solid-state three-channel converter translates the sound from your music system into three primary frequencies to produce unusual lighting effects. Hook up any arrangement of colored lights up to 1200 watts (400 watts per channel), lights flash in rhythm with music. Handsome vinyl clad metal cabinet, 6 1/4 x 9 3/4 x 5 3/4". AC. Wt. 7 lbs.

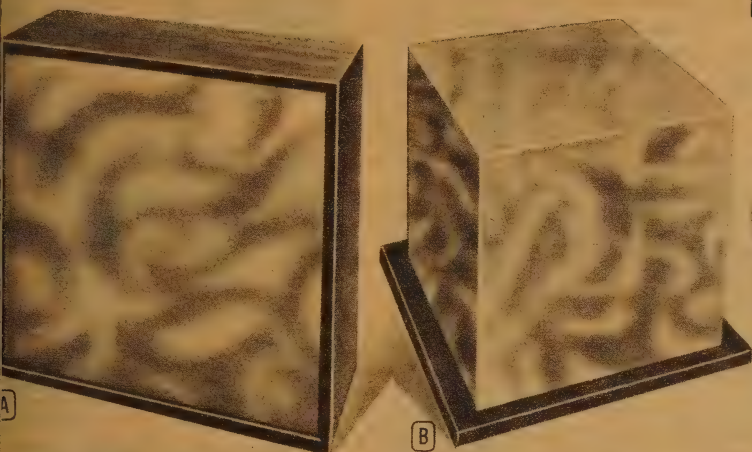
31 B 6079 X. Kit 49.95
31 B 6080 X. Wired 69.95
31 B 6081 X. Model 3460. Similar to above but single channel, lights up to 400 watt. Wt. 3 lbs. Kit 24.95
31 B 6082 X. Wired 39.95

Save money and have fun building your own color organ

Moving patterns of multi-colored lights—
the perfect visual complement to music

EICO

COLOR ORGANS



A "Celestial Lites"

Model AX-9. Continuous interaction of multi-colored lights and rotating design produces constantly flowing color images in rhythm with music. Connects to leads of any hi-fi or guitar amp—sensitivity control assures full performance at any level. Can be wall mounted. Solid state design with integrated circuits. Handsomely styled vinyl-walnut cabinet, 24x24x5". AC.
31 B 6087 U. Assembled. Shpg. wt. 16 lbs. 89.95

B "Chromacube"

Model AX-7. The stark symmetry of the classic cube springs to life with a rainbow of colors when connected to music amp for a smooth, soothing effect. Features all solid-state circuits and sensitivity control for top performance at any sound level. Lights are brilliantly displayed on all 5 sides of white plexiglas cube. Walnut grain base, 16x16x16". AC.
31 B 6086 U. Assembled. Shpg. wt. 20 lbs. 149.95

C "Light Fantastic"

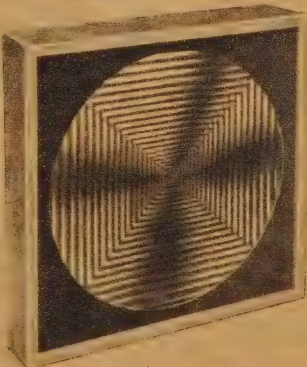
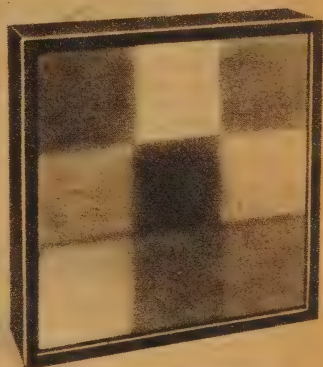
Model AX-5. A sensational blending of contemporary design and chromatic impact. Translucent dome provides three-dimensional world of ever-changing light patterns in response to music. Connects to speaker leads of any amplifier—low voltage solid-state circuit doesn't affect musical quality in any way. Sensitivity control. Overall size, 38x22". AC.
31 B 6085 U. Assembled. Shpg. wt. 19 lbs. 169.95

D "Geometric Fantasy"

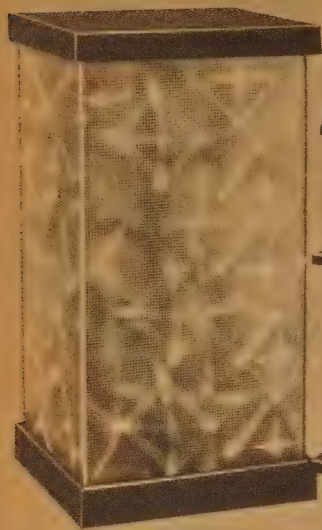
Model AX-11. A work of modern dynamic art that enhances any environment. Varying colors of light are displayed in a multi-square composition to produce an unpredictable pattern of changing colors for a pleasing and satisfying effect. A work of art that enhances any environment. Vinyl-walnut grain cabinet, shatterproof plastic screen, 18x18x5". AC.
31 B 6088 X. Assembled. Shpg. wt. 12 lbs. 49.95

E "Op Lite"

Model AX-13. An original art form that is created from the interaction of pure lines. Unpredictable wave-like optical phenomena, in continuously changing colors of light and motion, appear and disappear at random when unit is connected to your amplifier. Sturdy cabinet has shatterproof translucent screen, handsome vinyl-walnut grain finish, 18x18x5". AC.
31 B 6089 X. Assembled. Shpg. wt. 10 lbs. 49.95



Turn on the sights and sounds of your music with these exciting accessories



A
44⁹⁵

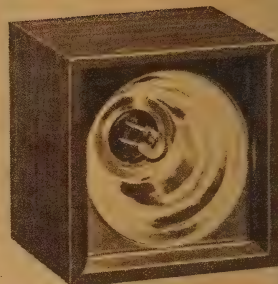
Watch your music turn into a kaleidoscope of bright sparkling colors



B
69⁹⁵



C
49⁹⁵



29⁹⁵

ATC two-channel five-color Organ

A Model AC-1. Sixteen lights, five colors and two separate channels combine to give a breathtaking color display that will turn your music into a mind-bending light show. Dual-channel feature provides two separate shows. Four-sided Star-Prismatic lens gives

intensified light patterns, in-depth reflectivity and a full-circle color effect. Variable intensity control. Walnut finish wood top and bottom; mar-proof rubber feet. Easy access for bulb replacement. Size, 20x10x10". AC.

31 B 6090 X. Shpg. wt. 10 lbs. **44.95**

Cosmic three-channel four-color Organ

B Model D35 "Gemini I." Add a spectacular array of sparkling colors to your music. Solid-state color organ has three channels to give you three separate displays with four different colors. Red lights flash on low notes, yellows on high notes, greens and blues on

middle frequencies. Sensitivity controls for each channel. Walnut-grain cabinet sits horizontally or vertically. 23½x12½x11½". AC.

31 B 6091 U. Shpg. wt. 14 lbs. **69.95**

31 B 6092 U. Model D15 "Virgo." Above but one channel. 13 lbs. **39.95**

Cosco deluxe Strobe Light

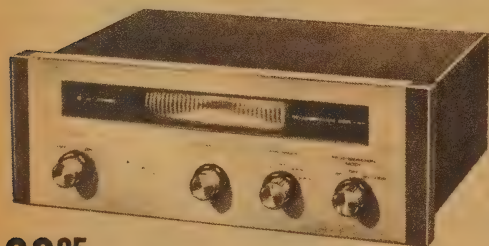
C Model D-72. "Turn on" your music with this exciting strobe light. Gives flickering "old-time movie" effect for parties, dances and get-togethers. Flash in rhythm to music. Controls for adjustable rate of flash. One million flashes life test. Complete with clear plastic shield and attractive wood case. Convenient carry handle. Size, 9x5x4". AC.

31 B 6093 X. Shpg. wt. 3 lbs. **49.95**

Castle budget-priced Strobe

D Model C-50. A top value in a factory assembled strobe. Pulsating light turns your room into an exciting psychedelic happening. Control lets you adjust rate of flash... set it to match beat of music for far-out dancing effect. Sensitivity control for regulating the rate of flash. With reflector and xenon bulb. Size, 6x8x4½". AC.

31 B 6084 X. Shpg. wt. 2 lbs. **29.95**

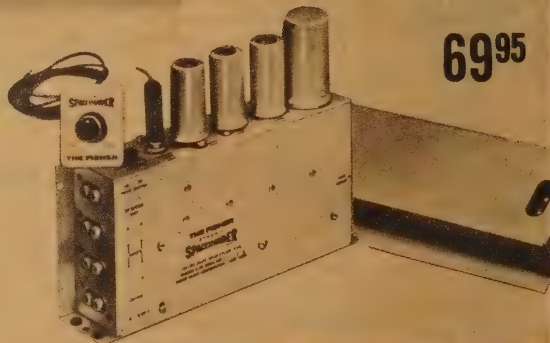


99⁹⁵

Pioneer Reverberation Amplifier

Model SR-202. Solid-state unit adds an extra brilliance to stereo performances and recordings. Enhances your music with the "you-are-there" realism of a live program. Connects to amps with tape monitor jacks for reverb to speakers, tape or both. Controls two recorders for recording plus playback. Controls include: reverb time, tape mode, reverb mode. Indicator light lets you see unit's operation. 4½x11½x9¾". AC.

31 B 6056 U. Shpg. wt. 8½ lbs. **99.95**



69⁹⁵

Fisher Reverberation System

Model K-10. Exciting unit works through tape monitor or separate preamp to create the acoustics of a live concert hall performance. By delaying part of the audio signal for 33 milliseconds you create the reverberation effect of an auditorium to add a new realism to musical playback in stereo or mono. Three-tube circuit has selenium rectifier. Easy to operate—only one control. Size, 7x9½x2". AC.

31 B 6057 X. Shpg. wt. 10 lbs. **69.95**

Automatic turntables . . complete with diamond styli



Realistic deluxe stereo Automatic Turntable with cuing, low-mass arm, adjustable anti-skate, cartridge

Precision-crafted in England . . designed for convenience, versatility and distortion-free stereo

47⁵⁰

- Dynamically balanced motor
- Factory-installed conical diamond magnetic cartridge
- Damped automatic cuing

Accessories for both the LAB-12A and LAB-24A

Smoked vinyl dust cover



5⁹⁵

Protects against damaging dust.
B 2568 X. Shpg. wt. 1 lb. 5.95

Automatic 45-rpm Spindle



99¢

Just stack your 45's and forget 'em.
42 B 3000. Wt. 1/2 lb. . . . 99¢

Model LAB-12A. Four-speed automatic turntable offers exceptional quality at a surprisingly low price. Dynamically balanced 4-pole motor cuts rumble and wow, provides speeds of 16 $\frac{2}{3}$, 33 $\frac{1}{3}$, 45, and 78 rpm. Factory-installed conical-diamond magnetic cartridge mounted on low-mass counterbalanced pickup arm. Tracking and anti-skate are factory pre-set, all you need to do is plug it in to enjoy flawless record play. Damped automatic cuing

protects your records and stylus lets you select any point on the record. The LAB-12A also features a deep-drawn turntable, slide-in cartridge holder, AC pop filter. Adjustable anti-skate feature and ball bearing pickup arm pivots keep record and stylus wear to a minimum. Interchangeable automatic and single play spindles. Ebony base with walnut trim. 15 $\frac{1}{2}$ x 13 $\frac{1}{4}$ x 6 $\frac{3}{4}$ ". U.L. Listed. 42 B 2935 U. Wt. 9 $\frac{1}{2}$ lbs. 47.50

Realistic Turntable with synchronous motor, elliptical-diamond cartridge, calibrated anti-skate



64⁵⁰

- Synchronous motor for constant speed, no noise
- Micrometer stylus adjustment
- Magnetic stereo cartridge

Model LAB-24A. This automatic turntable combines a host of new features with a price even lower than last year's! Has two spindles for manual or automatic operation, dynamically balanced low-mass aluminum pickup arm, plus anti-skate control calibrated for both conical and elliptical styli. Viscous-damped cuing control and factory installed diamond cartridge insure long hours of listening enjoyment with minimum wear on records and stylus. Automatically locking tone arm guards against accidental scratching of records. Automatic intermix of different size records. Micrometer stylus pressure adjustment and adjustable counterweight. Deep-drawn platter provides wide area for solid support. Ball bearing tone arm pivots. Modern ebony base with walnut trim, 15 $\frac{1}{2}$ x 13 $\frac{1}{4}$ x 6 $\frac{3}{4}$ ". U.L. Listed. 42 B 2936 U. Wt. 10 lbs. 64.50

NEW! Realistic 3-speed Automatic Turntable instant-play Package

79⁵⁰

With factory-installed base and cartridge

Realistic/Miracord 3-speed Automatic Turntable . . one of the finest ever!



119⁹⁵

Tracks as low as one gram

- Exclusive "feathertouch" pushbutton controls
- Complete with deluxe base and Shure cartridge
- Dual spindles for manual, automatic and repeat play
- Heavy full-size 12-inch turntable platter

Model 40A. A superb performer for those who want the finest. Boasts a heavy 12-inch turntable platter for the lowest flutter, wow and rumble ever. Newly developed pickup arm shows virtually no sensitivity to turntable tilt—will track any cartridge at stylus-force settings to below one gram. Exclusive "Feathertouch" pushbuttons let you switch from automatic play or "reject" accurately and effortlessly. Ready-to-play with Shure hi-tracking elliptical stylus diamond cartridge, factory installed walnut grain base and audio cables. AC. 16 $\frac{3}{4}$ "x14 $\frac{1}{4}$ "x4 $\frac{1}{4}$ ". U.L. Listed.

42 B 2591 U. Shpg. wt. 22 lbs. 119.95
42 B 2586. 45 rpm Adapter. Shpg. wt. 12 oz. 6.00
42 B 2590 X. Dust Cover. Shpg. wt. 2 lbs. 6.95

- Factory-installed base
- Custom-made in England
- Heavy-cast turntable
- Tracks as low as $\frac{1}{4}$ gram
- Special pivot design
- Stereo muting switch
- Slide-in cartridge holder
- Shure magnetic cartridge

Model LAB-36A. Custom-made in England the LAB-36 is 100% factory-tested and adjusted with features you'd expect only automatic turntables costing as much as \$40 more. Heavy-cast turntable platter assures smooth, steady, unwavering rotation of your records without any audible track either wow or flutter, even in critical passages. Specially developed, dynamic balanced pickup arm tracks any one today's good-quality cartridges.

Exclusive stereo muting switch provides complete silence during change cycle. Special micrometer stylus pressure adjustment permits $\frac{1}{4}$ -gram settings from 0 to 6 grams. Anti-skate control compensates for groove diameters, neutralizes inward skating force and eliminates inner-groove distortion.

Comes with famous Shure high-tracking mil elliptical diamond stylus cartridge stalled in special slide-in cartridge holder. Tracks all your records flawlessly, at speed. Includes factory-installed del. ebony base with handsome walnut trim. Complete with all necessary cables, cord. AC. 15 $\frac{1}{2}$ "x13 $\frac{3}{4}$ "x6 $\frac{1}{4}$ ". U.L. Listed.

42 B 2937 U. Shpg. wt. 12 $\frac{1}{2}$ lbs. 7.00
42 B 2568 X. Dust Cover. 2 lbs. 7.00



**Realistic Changer . .
specially designed
to suit any budget**

HERE'S WHAT YOU GET

Diamond-stylus stereo
Cartridge installed

Mounted on Base

45-rpm Adapter

Deluxe record Brush

Plastic dust Cover

**Realistic's popular "Modulaire" . .
4-speed total Changer Package**

39⁹⁵

- Intermixes 10", 12" records
- No accessories to buy
- Made in Germany
- Ready to plug-in and play
- Free walnut grain trim base
- Free smoke-tint dust cover
- Perfect for placement anywhere
- Measures only 13 1/4"x9 5/8"x7"
- U.L. Listed

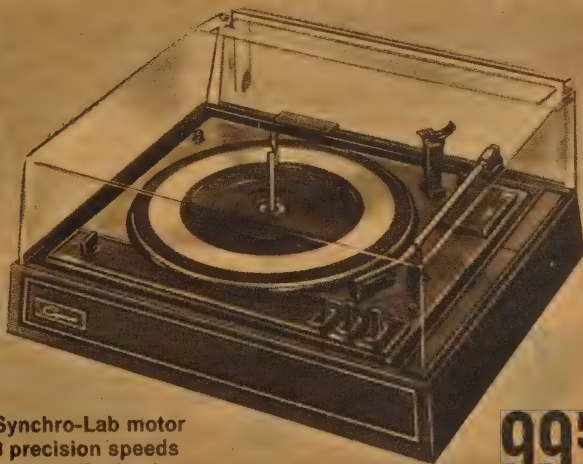
Now you can enjoy the benefits of a truly bookshelf"-size stereo changer that fits anywhere without sacrificing the features and performance of much larger and costlier units. Includes all accessories, too—no extras" to buy. The perfect changer for adding to a radio with a phono jack . . for replacing a worn-out console record changer where limited space is a problem.

Features low mass tubular aluminum pickup arm for lowest tracking and tripping operations. Variable speed control lets you play size records at all four speeds, 16, 33 1/3, and 78 rpm—even lets you intermix 10" and 12" records of the same speed. Includes 9-installed stereo diamond cartridge and 45-rpm adapter.

With factory-mounted walnut grain trim base and specially designed smoke-tint dust cover. U.L. Listed. 13 1/4"x9 5/8"x7".

B 2561 X. Shpg. wt. 8 lbs. 39.95

**Garrard Automatic Turntable module package
complete with base, dust cover, cartridge**



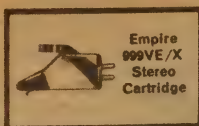
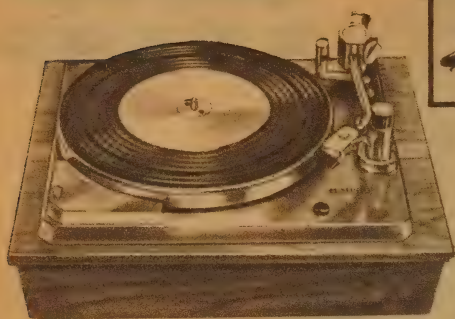
- Synchro-Lab motor
- 3 precision speeds
- Made in England

99⁵⁰

Model SLX-3. Garrard's finest module features exclusively developed Synchro-Lab motor for perfect-pitch speed. Unique Auto-Rise platform protects your records during automatic play. Ultra-low-mass pickup arm provides perfect balance with cartridge. Adjustable counterweight locks into position for perfect tracking force. Stylus force gauge accurately calibrates from 0 to 5 grams. Damped cueing during manual and automatic play enables you to position pickup arm over record, then gently lower onto record by lever. Anti-skating gauge effectively reduces inner-groove distortion. Plays automatically or manually at 33 1/3, 45 or 78 rpm speeds. Complete with light-tracking stereo cartridge featuring high compliance diamond elliptical stylus assembly and factory-mounted ebony pinseal base with styrene dust cover. Measures only 7 3/4"x15x13 1/4". AC. Shpg. wt. 22 lbs.

42 B 2928 U 99.50

Turntables and Phono Accessories by famous manufacturers



Complete
Outfit
234⁹⁵

Empire 598 Turntable Package with Base, Dust Cover, Cartridge

Low price for this top value professional-quality table outfit. Has specially designed arm for cartridge tracking as low as $\frac{1}{4}$ gram. Hysteresis synchro motor has belt drive to turn massive flywheel—launched in a home turntable—and 10-lb. platter for inaudible rumble of -90 dB. Pneumatic suspension will allow dancing and even jumping. Very low wow and flutter. Arm also has anti-skating for perfect tracking at all pressures. 33 $\frac{1}{3}$, 45, 78 rpm. 8 $\frac{1}{2}$ "x17 $\frac{1}{2}$ "x15 $\frac{1}{2}$ ". With walnut base, dust cover, 999VE/X stereo elliptical stylus cartridge, AC.

42 B 6052 U. Shpg. wt. 40 lbs. 2

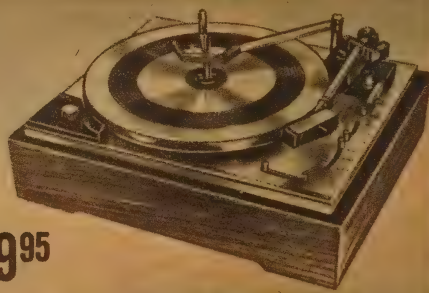


155⁰⁰

Sherwood deluxe Automatic Turntable

Model SEL-100. Professional-type belt-drive mechanism isolates motor from turntable better than conventional rubber idler drives for lowest rumble, flutter and wow. Exclusive escalator-action record-lowering mechanism gently wafes record to turntable. Unique beam-of-light circuit trips the "change" motor. 33 $\frac{1}{3}$, 45 rpm. With brushed aluminum base. AC.

42 B 6062 U. Shpg. wt. 16 $\frac{1}{2}$ lbs. 155.00
42 B 6063 X. Walnut Trim Base. Shpg. wt. 4 lbs. 9.50
42 B 6064 X. Smoked-vinyl Dust Cover. Wt. 5 lbs. 12.95
42 B 6065. 45-rpm Automatic Spindle. Wt. 1 lb. 6.95



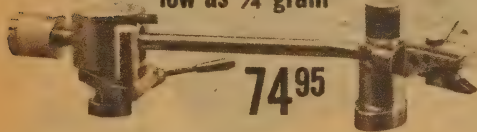
179⁹⁵

Lesa professional Automatic Turntable

Model PRF-6. Features exclusive turntable speed control, precise operating speed within $\pm 3\%$, has built-in stroboscopic lamp. Low-mass counterweighted pickup arm; stylus de-adjustment; anti-skate; Six-pole asynchronous motor provides consistent speeds, even through extreme voltage variations. 33 $\frac{1}{3}$, 45, 78 rpm. Optional base, 45-rpm adapter below.

42 B 6066 U. Shpg. wt. 27 $\frac{1}{2}$ lbs. 1
42 B 6067 X. Oiled Walnut Base. 5 lbs. 1
42 B 6068 X. Molded Polystyrene Dust Cover. 4 lbs. 1
42 B 6069. 45-rpm Adapter. Shpg. wt. 3 oz. 1

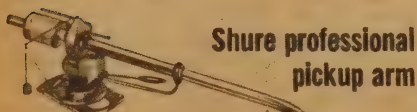
Empire Pickup Arm tracks as low as $\frac{1}{4}$ gram



74⁹⁵

Deluxe Rek-O-Kut Arm tracks under one gram

44⁹⁵



Shure professional pickup arm

123⁷⁵

Model 990. Designed for new low-tracking force cartridges. Provides full stereo balance front and back. Cuing lever, variable anti-skating control. Sealed ball bearings. Tracking force, 0-8 grams. Chrome finish. Less cartridge.

42 B 6058 X. 7 lbs. 74.95

Model S-320. Features "Omni-Balance" for exact lateral balance. Isolated counterweight prevents pickup arm resonance. Tracks at under one gram. Less cartridge.

42 B 6059 X. 2 $\frac{1}{2}$ lbs. 44.95
42 B 6060. PS-20L Extra Plug-in Head. Wt. 6 oz. 9.95

Model SME-3009HE. Latest in 3009 series, acclaimed by audiophiles the world over. Ball and knife-edge bearings, cuing lever. Ideal for new low-silhouette turntables. Connecting cable enters pickup arm base horizontally. Tracks $\frac{1}{4}$ -5 grams. Less cartridge.

42 B 6070 U. 10 lbs. 123.75

Shure solid-state Stereo Preamplifier



34⁰⁰

- Converts ceramic to mag. cartridge
- For AC or DC supply

Model M64. Has inputs for turntable, head, mag. phono, flat position. Outputs: high or low (600 ohm level aux. ideal for long cable) or for converting from ceramic magnetic phono. 20-20,000 Hz. AC or aux. DC supply. 2 $\frac{1}{2}$ "x6 $\frac{1}{2}$ "x4 $\frac{1}{2}$ ".

42 B 6071 X. 2 lbs. 3

Realistic ready-to-play Automatic Turntable Package

29⁹⁵

Factory-mounted on a deluxe
Custom base with stereo cartridge



"Famous Maker" Changer . . made in U.S.A. . .
bought "O.E.M." to save you money

19⁹⁵



Plays all
speeds

Includes
stereo cartridge

- Made in England
- Includes ceramic stereo cartridge
- Mounted on walnut grain base
- Plays at all available speeds
- Automatic set-down for any speed
- Low-mass tubular pickup arm
- Precision balanced motor
- Counterweight adjustable to "0"

Model 44. One of the biggest automatic turntable values, anywhere! A deluxe changer, all ready to plug in and play. You can play your records with the same precision accuracy found only in much higher-priced turntables. English made, the Model 44 plays any record ever made, at every available speed—16, 33 $\frac{1}{3}$, 45 and 78 rpm.

The specially designed low mass tubular aluminum pickup arm is made to play-to-day's difficult-to-track records flawlessly, returning to carriage at end-of-play, automatically and gently. High torque design and dynamic balance of turntable motor assure quick, positive starts and constant speeds. Deep-drawn full-size turntable platter provides full record support. Scientific spring mounting system in conjunction with the low mass pickup arm overcomes any susceptibility to external shock, a problem found in many other turntables, regardless of price.

Perfectly balanced gliding one-piece counterweight allows precise "zero-balance" adjustment. Complete with installed stereo cartridge and comes mounted on an attractive walnut grain base. Measures 15x13 $\frac{1}{2}$ x6 $\frac{1}{2}$ ". AC. U.L. Listed.

42 B 2596 X. Shpg. wt. 11 lbs. 29.95
42 B 3000. 45-rpm Adapter. 3 oz. 99¢
42 B 2568 X. Dust Cover. 5.95

Only Allied Radio Shack's volume buying power could make an exciting offer like this possible! Individually boxed, precision-crafted cord changer is made in the U.S.A. by one of today's leading manufacturers of automatic turntables. Provides a perfect match for replacement or medium-to-budget installations. Lets you interchange records at any (16, 33 $\frac{1}{3}$, 45 and 78 rpm) speed. Perfectly balanced tubular pickup arm permits smooth, light record tracking. Replace your changer using your power and audio leads or buy ours (listed below). 13x11x5" (changer alone). AC.

B 2598 X. Shpg. wt. 5 lbs. 19.95
B 2599 X. Base. 3.95
B 2298. AC Cord (1 required). 99¢
B 2563. Stereo Audio Cable (1 required). 99¢
B 2600. 45-rpm Spindle. Shpg. wt. 3 oz. 1.29



SL95B Alone

129⁵⁰

With deluxe
Elliptical Cartridge

134⁵⁰

Features gimbaled arm that floats on needle pivots

(A)

only \$5 more



Empire
999SE/X
Reg. \$49.95

Pickering
XV15/400E
Reg. \$49.95

Shure
M91E
Reg. \$49.95



Improved low-mass tubular pick-up arm, plus anti-skating control and stylus pressure gauge

(B)



SL72B Alone

89⁵⁰

With deluxe
Elliptical Cartridge

94⁵⁰

Bases
optional

SL95B and SL72B Feature



Rubber-mount
counterweight



Single cueing/
pause control



2-point record
support platform

Garrard Automatic Turntables with Synchro-Lab motor

[A] One of Garrard's finest!

Transcription-quality Automatic

del SL95B. Save \$44.95. Designed to meet most rigid requirements of the critical, knowledgeable listener. Has every feature for flawless record play including Garrard's Synchro-Lab motor to provide silent, synchronous tracking speed. Ultra-low mass pickup arm floats on needle pivots within a special gimbal mounting; is viscously damped for perfect record tracking. Sliding weight anti-skating control; pressure adjustment dial.

Plays up to six records automatically with support platform for extra record gentleness. Also has manual play. Speeds, 33 1/3, 45 rpm. Rotating center spindle, full-size platter, 15 1/2" x 14 1/2". Req. 4 3/4" above, 3" below mounting board. Choice of Empire 999SE/X, Pickering XV-15/400E or Shure M91E cartridges. Shpg. wt. 13 lbs. SEE NOTE BELOW.

B 5018 CDU. Specify Cartridge134.50

B 6001 U. SL95B Alone. Wt. 13 lbs. . .129.50

del SL75B (Not illus.). Has excellent performance capabilities and many of Garrard's latest features. Synchro-Lab motor, gimbal-mounted low mass pickup arm with adjustable counterweight and stylus force gauge. Support platform. Plays manually up to six records automatically at 33 1/3, 45 rpm. 16 1/2" x 14 1/2". Req. 4 3/4" above, 3" below mounting board. Less cartridge. Shpg. 13 lbs.

B 6002 U. Shpg. wt. 13 lbs.109.50

B Moderately-priced turntable

with many expensive features

del SL72B. Save \$44.95. Contains many professional features usually found only on automatic turntables costing considerably more. Exclusive Synchro-Lab exact-speed motor for flawless performance. The ultra-low mass pickup arm floats with a special gimbal mounting. Adjustable counterweight for perfect record tracking. Sliding weight anti-skating control. Viscously damped tonearm descent during single and automatic play, plus damped cueing and pause control for sure record and stylus protection. Garrard's exclusive platform provides two-point record support for ultimate, feather-like gentleness.

Plays up to six records automatically at 33 1/3, or 78 rpm; also features manual play mode. Platter, 15 1/2" x 14 1/2". Requires 4 3/4" above, 3" below mounting board. Save with special cartridge offer. Choose Empire 999SE/X, Pickering XV15/400E or Shure M91E. Wt. 13 lbs.

B 5019 CDU. Specify Cartridge94.50

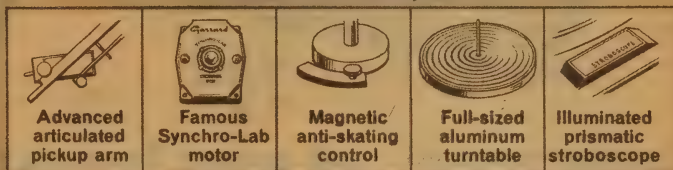
B 6003 U. SL72B Alone. Wt. 13 lbs. . .89.50

Turntable Note

Garrard Automatic Turntables are precision-crafted in Swindon, England. All operate on standard 110-120 volts, 60 Hz AC. Optional coordinated bases, 45-rpm automatic spindle, plastic dust covers and other accessories are sold on page 69.

Introducing Garrard's dramatic new "Zero 100" 2-speed Automatic Turntable!

Available December 1, 1970



189⁵⁰

- "Zero" tracking error over full record surface
- Friction as low as any separate tonearm
- Perfect 15° stylus-tracking adjustment lever

Garrard's newest! Perfect tracking Automatic Turntable

Remarkable breakthrough in sound reproduction! A combination of revolutionary tonearm design and other advances offers flawless reproduction of records. Cartridge housing is pivoted directly above stylus tip with pivoting controlled by a parallel articulating arm for true tangent tracking accuracy over the entire record surface. Synchro-Lab motor combines the power of an induction motor with the smoothness of a synchronous motor for unwavering turntable speed. Calibrated sliding weight for setting stylus force—tracks today's most sensitive cartridges at the exact fractional force required for optimum performance. Also has magnetic anti-skating control with a separate setting for elliptical and radial stylus.

Automatic or manual operation at 33 1/3 or 45 rpm. Multiple play spindle holds up to six records. Single-play spindle rotates with record to prevent wear. Features ±3% variable pitch speed control for "tuning" records to synchronize with tape recorder or musical instruments. Illuminated prismatic stroboscope is provided for continuous monitoring of speed settings. Has 15° vertical tracking adjustment for both manual and automatic play. Viscously damped cueing and pause control. Exclusive built-in dust and lint remover automatically cleans record grooves before stylus touches them. Safety stop prevents tonearm descent upon platter. Full-sized 12" platter; safety platform for gentle 2-point record support. 16 1/2" x 14 1/2". Req. 4 3/4" above, 3" below mounting board. Less cartridge. SEE TURNTABLE NOTE AT LEFT.

42 B 6012 U. Shpg. wt. 14 lbs.189.50



79⁵⁰



59⁵⁰

Garrard automatic and manual Turntables with perfect-pitch motor

This deluxe 4-speed model has what it takes to spin your discs, including damped cuing

Model SL65B. Capable of excellent sound reproduction with the latest ultra-sensitive cartridges. Features dynamically-balanced tubular tone-arm with resiliently-mounted counterweight, tracking as low as $\frac{1}{2}$ gram, precision stylus pressure adjustment, antiskate, manual cueing and pause control lever, balanced oversized turntable. Exclusive Synchro-Lab Motor provides smooth, quiet operation. Size, $15\frac{1}{2} \times 16\frac{1}{2}$ ". Requires $4\frac{1}{2}$ " above, $2\frac{1}{2}$ " below mounting board. AC. Order cartridge and base separately. See Note Below.

42 B 6004 U. Shpg. wt. 13 lbs. **79.50**

Famous Garrard offers 4 speeds and a low price for budget-conscious perfectionists

Model SL55B. A fine automatic turntable that brings budget cuing and the synchronous motor within the reach of lovers on a budget. Oversized turntable and the famous Synchro-Lab motor guarantee constant, synchronous record speed in all operating conditions. Features lightweight tubular tone arm with excellent tracking, low mass cart. clip, and stylus pressure adjustment with gram markings. Size, $14\frac{1}{2} \times 12\frac{1}{2}$ ". Requires $4\frac{1}{2}$ " above, $2\frac{1}{2}$ " below mounting board, AC. Order cartridge and base separately. See Note Below.

42 B 6005 U. Shpg. wt. 11 lbs.



4-speed Automatic Turntable gives silent, smooth operation

44⁵⁰

- Pressure gauge
- Damped cuing

Model 40B. Features Garrard's high standards of quality and performance at a low popular price. An excellent automatic turntable compatible with fine amplifiers, receivers, and speakers.

Features silent four-pole motor for exact 16 $\frac{2}{3}$, 33 $\frac{1}{3}$, 45 and 78 rpm record speeds. Automatic or manual operation. Counterbalanced tubular tone arm can track high quality cartridges for fine sound.

Has stylus pressure gauge, viscous damped cuing, and slide-in cartridge holder. $13\frac{7}{8} \times 12$ ". Requires $4\frac{1}{2}$ " above, $2\frac{1}{2}$ " below mounting board. Order cartridge, base separately. See Note Below.
42 B 6006 U. Shpg. wt. 10 lbs. **44.50**



Budget four-speed Manual with automatic shutoff

37⁵⁰

- Tubular arm
- Pressure gauge

Model SP20B. A quality manual turntable built to the exacting performance standards of the more expensive changers. Quiet and smooth operation delivered at all four turntable speeds.

Has newly designed tubular aluminum pick-up arm with stylus force adjustment and easy-to-use slide-in cartridge holder. Counterbalanced pickup arm returns to rest position after record is played; turntable then automatically shuts off.

Can be used with any fine magnetic cartridge. $14\frac{1}{2} \times 12\frac{1}{2}$ ". Requires $4\frac{1}{2}$ " above, $2\frac{1}{2}$ " below mtg. board. Order cartridge, base separately. See Note Below.

42 B 6007 U. Shpg. wt. 10 lbs. **37.50**

Lowest-priced Garrard Automatic you can buy

With Stereo Cartridge

39⁵⁰

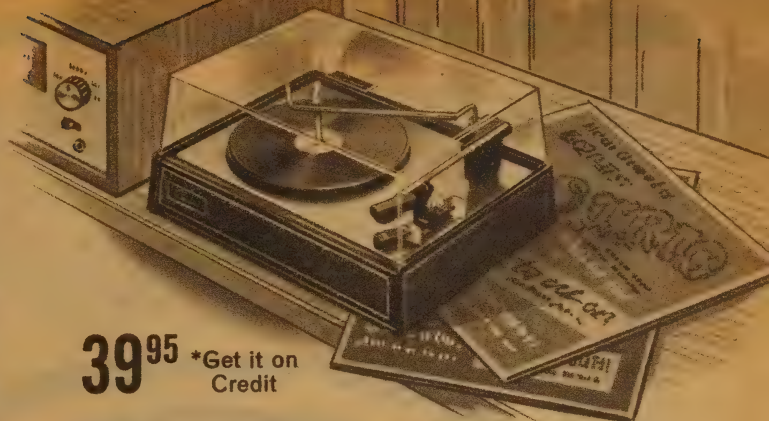


Model 30. Choose this turntable for stereo-on-a-budget system: Garrard's lowest-priced 4-speed automatic turntable features a large, oversize, weighted record platter and a smooth, silent-running motor for precise 16 $\frac{2}{3}$, 33 $\frac{1}{3}$, 45 and 78-rpm speeds. Also has automatic record intermix, convenient automatic end-of-record shutoff and two spindles for manual or automatic play. Includes ceramic stereo cartridge with diamond stylus. Size, $14\frac{1}{2} \times 12\frac{1}{2}$ ". Shpg. w. 10 lbs. See Note Below.

42 B 6008 X. **39.50**

Garrard miniature Turntable Module takes less space

Model X-11. This economical 4-speed automatic turntable gives you traditional Garrard quality in a very compact package! Only 12x 6x6". Fits neatly anywhere that space is at a premium, even on a bookshelf! Manual or automatic operation at 16 $\frac{1}{2}$, 33 $\frac{1}{2}$, 45 or 78 rpm. Automatic intermix of up to six or 12" records. Counter-balanced tubular aluminum pickup arm protects sensitive stylus and your valuable records. Automatic end-of-record shutoff. With premounted ebony pinseal base, ceramic stereo cartridge, diamond flipover stylus, dust cover, and two spindles. Optional F-40 45-rpm spindle below. 6 $\frac{1}{2}$ x 3 $\frac{1}{2}$ x10 $\frac{1}{4}$ ". AC. Shpg. wt. 10 lbs.
2 B 6009 X.....39.95

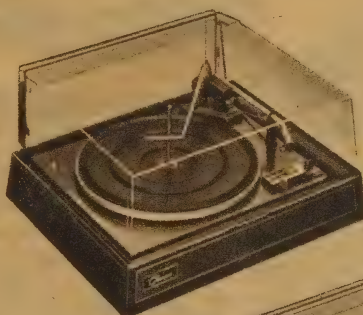


39⁹⁵ *Get it on Credit

Garrard Modules with base, dust cover and stereo cartridge

3-speed Automatic Turntable Module

Model X-10. Low-cost module has many features usually found only on more expensive models. Low-mass tubular aluminum pickup arm has excellent tracking and tone reproduction characteristics. Both cuing and pause control combined in a single lever for convenience and the best protection for stylus and your valuable records. Simplified controls "up front" for record speed and size selection. Automatic or manual operation at 33 $\frac{1}{2}$, 45, or 78 rpm. Ceramic stereo cartridge has flipover diamond stylus pre-set for the correct stylus pressure. Complete with ebony pinseal base, three-position dust cover and two interchangeable spindles for manual or automatic operation. Optional RS25 45-rpm spindle below. Overall size, 7 $\frac{1}{4}$ x15x13 $\frac{1}{4}$ ". AC. Shpg. wt. 17 lbs.
2 B 6010 U.....52.50



3-speed Module with ceramic cartridge

52⁵⁰

*no money down

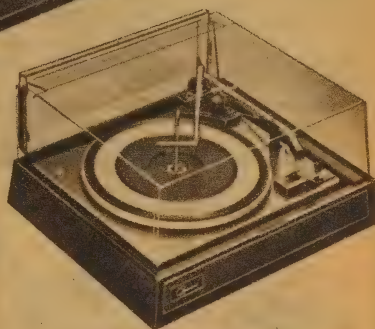
Deluxe Automatic Turntable Module

Model SLX-2. Quality automatic turntable comes with walnut and ebony pinseal base, dust cover, and premounted stereo magnetic cartridge with diamond stylus. Features Garrard's exclusive Synchro-Lab Motor for perfectly synchronous record speed at 33 $\frac{1}{2}$, 45, or 78 rpm. Conveniently positioned combined speed and record size selector. Low-mass aluminum pickup arm has adjustable counterweight and stylus pressure gauge to give correct stylus pressure for optimum performance. Has convenient cuing/pause control. With two interchangeable spindles for manual or automatic operation. Optional FLRS35 45-rpm automatic spindle below. Overall size, 7 $\frac{1}{4}$ x15x13 $\frac{1}{4}$ ". AC. Shpg. wt. 17 lbs.
2 B 6013 U.....69.50

Deluxe Module with magnetic cartridge

69⁵⁰

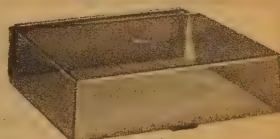
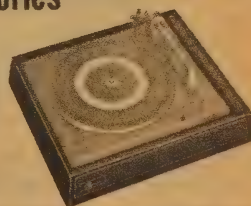
*no money down



Garrard turntable Bases, Dust Covers and Accessories

Coordinated Bases with accessory trays are made of molded, simulated pinseal leather and ebony with black and silver trim. Provision for easy mounting of slides if desired. "Power-Matic" bases turn off amplifier or receiver after last record is played. **Dust Covers**

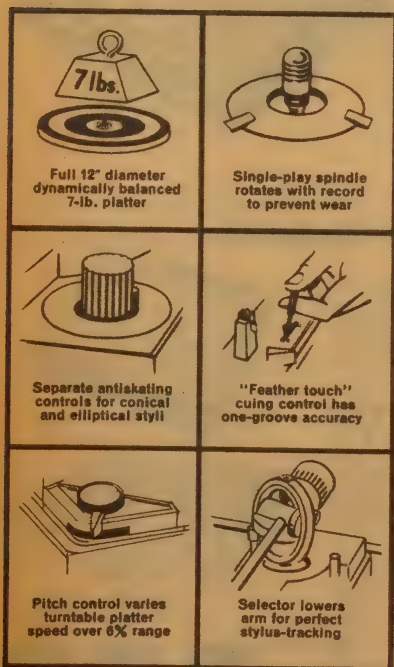
are clear molded styrene. Special design lets you *slide* cover into place from front or *lift* up and lock into place for loading or adjusting turntable. Can be left in place while playing. **Mounting Boards** are sanded, unfinished wood, 16x18".



Stock No.	Mfr's	Description	Wt.	EACH
42 B 6014 X	B-1	Base for SL65B, SL55B, 40B, 30 and SP20B.	5 lbs.	5.50
42 B 6015 X	B-2	Base for SL95B, SL75B, SL72B and Zero 100.	6 lbs.	6.50
42 B 6016 X	WB-2	Deluxe wood base for 95B, 75B, 72B and Zero 100.	9 lbs.	19.95
42 B 6017 X	B-1P	Like B-1 Base, but with "Power-Matic" feature.	7 lbs.	14.95
42 B 6018 X	B-2P	Like B-2 Base, but with "Power-Matic" feature.	8 lbs.	15.95
42 B 6019 X	D-1	Dust cover for B-1 and B-1P bases.	5 lbs.	5.50
42 B 6020 X	D-2	Dust cover for B-2, DB-2 and B-2P bases.	5 lbs.	6.50
42 B 6021 X	MB10	Mounting board for SL65B, SL55B, 40B, 30 and SP20B	2 lbs.	2.25
42 B 6022 X	MB11	Mounting board for SL95B, SL75B, SL72B and Zero 100.	2 lbs.	2.25
42 B 6023	FLRS35	45-rpm auto. spindle for SL65B, SL55B, 40B, 30, SLX-2, X10.	3 oz.	1.95
42 B 6024	LRS25	45-rpm auto. spindle for SL95B, SL75B, SL72B, SLX-3, Zero 100.	8 oz.	3.80
42 B 6025	F40	45-rpm auto. spindle for X-11.	3 oz.	1.95
42 B 6026	C1	Slide-in cartridge clip for SL75B.	3 oz.	1.75
42 B 6027	C2	Slide-in cart. clip for SL95B, SL72B, SL65B, SL55B, 40B, SP20B.	3 oz.	1.75

*See page 331 for full Credit details

Dual's best three-speed Automatic Turntable .. it's really built!



175⁰⁰

Synchronous/continuous motor for perfect speed accuracy...massive 12" turntable platter...6% variable pitch control for perfect synchronization with tape or musical instruments

Model 1219. Dual's best turntable has no-compromise performance and every deluxe feature to meet the demands of the most critical listener. Massive platter is driven by specially designed motor which combines both perfect speed accuracy and high torque. Full 12" dynamically balanced platter.

Mode selector lowers arm base to provide perfect 15° stylus tracking (0° vertical tracking error) when set for single play, raises base for multiple play. Has 6% variable pitch control for "tuning" records to synchronize with tape recorder or musical instruments.

Cue-control system silicone-damped in both directions to prevent bounce. Elastically damped counterbalance has 0.01 gram click stops for precision balancing. Adjustable stylus overhang. Automatic or manual operation at 33 $\frac{1}{3}$, 45, 78-rpm. Multiple play spindle holds up to 6 records. Size: 14 $\frac{1}{2}$ "x12 $\frac{1}{4}$ ". Order base, accessories at right. AC.

42 B 6028 U. Shpg. wt. 18 lbs.175.00

ACCESSORIES FOR DUAL TURNTABLES

42 B 6031 X. WB19 Walnut Base. F 1219. Shpg. wt. 5 lbs.14.

42 B 6032 X. DC9 Dust Cover. For 12 above. Shpg. wt. 4 lbs.12.

42 B 6033 X. WB12 Walnut Base. F Models 1209 and 1215. Shpg. wt. lbs.10.

42 B 6035 X. DC2 Dust Cover. F Models 1209 and 1215. Shpg. wt. lbs.10.

42 B 6036. Model AS12 45-rpm Automatic Spindle. Converts all Dual automatic turntables to 45-rpm automatic play. Shpg. wt. 10 oz.5.

42 B 6037. Model CH12 Extra Cartridge Holder. For all Dual turntables. Shpg. wt. 3 oz.3.

Dual high-performance three-speed Automatic Turntables

Has the special features of the more expensive models . . . yet moderately priced

129⁵⁰



Model 1209. Turntable with many fine features of the 1219, but at a moderate price to easily fit your budget. No economy model this . . . but a top-of-the-line precision turntable that's built for years of dependable listening pleasure.

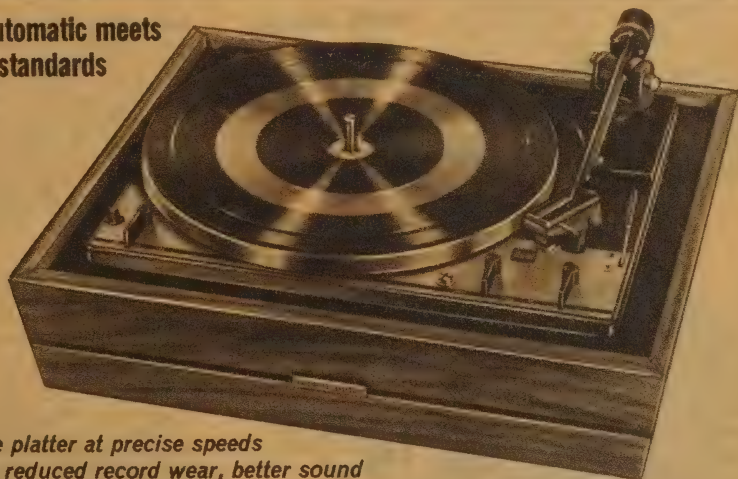
Incorrect speed affects musical pitch and tempo and fluctuating speed causes music to sound sour (wow) and warbly (flutter). Also vibration can produce a continuous low-pitched sound (rumble). That's why Dual designed and built the synchronous/continuous pole motor for constant speed plus high torque. It brings your records to full speed rapidly and keeps them there, no matter how much the line voltage may vary.

Automatic or manual operation at 33 $\frac{1}{3}$, 45, or 78 rpm. Feather-touch cue-control works like any other cueing device, but silicone damping in both directions provides a more carefully controlled descent than you can get with any other cueing system . . . and eliminates the tonearm from bouncing all over the record.

Low-mass tubular aluminum pick-up arm tracks flawlessly down to 0.5 gram. 6% variable pitch control synchronizes turntable speed with tape recorder and allows accompaniment with taped or live musical performances. For AC. See opposite page for optional base, dust cover, 45-rpm spindle, cartridge holder.
42 B 6029 U. Shpg. wt. 15 lbs. **129.50**

Even Dual's lowest priced Automatic meets NAB broadcast performance standards

99⁵⁰



Hi-torque motor turns oversize platter at precise speeds
Tracks as low as one gram for reduced record wear, better sound
Synchronized stylus pressure and antiskating controls

Model 1215. Splendidly made automatic turntable that delivers professional performance at a budget price. It's the ideal choice for medium-priced stereo systems where precision record play is a must, but price is a factor. You'd expect to pay far more for an automatic turntable with all these features.

1215 tracks with a high-compliance cartridge as low as a single gram for minimum record wear and flawless reproduction. Anti-skate control compensates for tonearm skating at low stylus forces. Has a synchronous/continuous pole motor for constant speed at high torque—brings the platter to full speed and remains accurate despite fluctuations in line voltage. Rumble, wow and flutter are reduced to the vanishing point.

Stylus pressure and antiskating controls are synchronized to provide excellent stylus tracking with one easy adjustment . . . no complicated scales and dials to confuse you. Silicone-damped cueing in either direction prevents stylus bounce and assures protection for both stylus and records.

Manual and automatic operation at constant speeds of 33 $\frac{1}{3}$, 45, or 78 rpm. 6% variable pitch control permits platter synchronization with tape recorder—perfect for accompanying taped or live performances. For AC. See optional changer base, dust cover, 45 rpm automatic spindle, extra cartridge holder on opposite page.

42 B 6030 X. Shpg. wt. 14 lbs. **99.50**

BENJAMIN MIRACORD

4-speed Automatic
Turntable delivers
great performance

169⁵⁰

- Famous Papst hysteresis synchronous motor
- Anti-skate at every radius position
- Compatible with the finest cartridges
- Pushbutton controls



Base and dust
cover optional

Model PW50H. One of the finest automatic turntables available on today's advanced market. Solid, quality construction designed to provide years of excellent service. Features exclusive pushbutton controls with "feathertouch" operation, anti-skate compensation, dynamically-balanced tone arm with vernier drive counterweight adjustment, damped cuing lever, illuminated speed indicator, and the Papst hysteresis synchronous motor with

12" dynamically-balanced platter for vibration-free rotation. 4 speeds, manual automatic operation. 14½"x12½". Requi 5½" above, 3¼" below mtg. board. *Do not include base, dust cover, cartridge, A*
42 B 6039 U. Shpg. wt. 20 lbs.....169
42 B 6043 X. RB-5 Molded Base. Walnut grain finish. Shpg. wt. 3 lbs.....5
42 B 6045 X. DC-1 Dust Cover. 2 lbs. 4
42 B 6046. CR50 Extra Plug-in Cartridge Mount. Shpg. wt. 3 oz.....5

4-speed Automatic
with variable
speed control

225⁰⁰



Automatic Turntable for the perfectionist

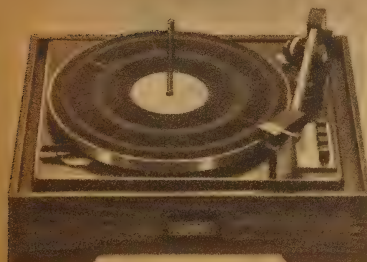
Miracord 770H. Incorporates outstanding luxury features w solid reliability to produce a deluxe automatic turntable specially designed for the most demanding audiophile. 6% variable speed control with built-in stroboscopic speed indicator featuring digital readout, elapsed time stylus wear indicator, and adjustable head to achieve optimum vertical stylus angle when playing more than one record. Includes all the other fine features of the PW50H, above. 14½"x12½". *Does not include base, dust cover, cartridge. A*
42 B 6038 U. Shpg. wt. 20 lbs.....225
42 B 6061 X. RB-4 Solid Walnut Base. Shpg. wt. 4 lbs...11
42 B 6045 X. DC-1 Dust Cover. Shpg. wt. 2 lbs.....4

Automatic Turntable with quality features

Miracord 750. Includes most of the fine features of the PW50H. Precise damped cuing, anti-skate compensation, pushbutton controls with "feathertouch" operation, counterweight adjustment on a dynamically-balanced tone arm, heavy-duty 4-pole induction motor drives the heavy cast platter at precise speeds. Automatic or manual operation. 14½"x12½". *Does not include base, dust cover, cartridge. A*
42 B 6040 U. Shpg. wt. 18 lbs.....149
42 B 6043 X. RB-5 Molded Base. Shpg. wt. 3 lbs.....5
42 B 6045 X. DC-1 Dust Cover. Shpg. wt. 2 lbs.....4
42 B 6046. CR50 Extra Cartridge Mount. 3 oz.....5

Low-cost Turntable performs with the best

Miracord 620. For those who want Miracord quality craftsmanship at a lower price. Features pushbutton operation, damped cuing, anti-skate, 4-pole induction motor, dynamically-balanced tone arm, heavy cast turntable platter. 13¾"x11". *Does not include base, dust cover, cartridge. AC.*
42 B 6041 U. Shpg. wt. 15 lbs.....109
42 B 6047. CR20 Extra Cartridge Mount. For 620. 3 oz....4
42 B 6042 U. Model 630. As above, but includes stylus overhang adjustment for optimum tracking. 15 lbs.....129
42 B 6046. CR50 Extra Cartridge Mount. For 630. 3 oz....5
42 B 6044 X. RB-6 Molded Base. Shpg. wt. 3 lbs.....2
42 B 6045 X. DC-1 Dust Cover. Shpg. wt. 2 lbs.....4



4-speed Automatic
with pushbuttons
and 4-pole motor

149⁵⁰



Budget-priced
4-speed Automatic
with pushbuttons

109⁵⁰



**BSR
McDONALD**

**"Total Turntable"
comes complete with
all accessories**

119⁹⁵

**Includes base, dust
cover, and Shure cartridge**

Model 610/X Total Turntable. A complete package including everything you need to play stereo records through your music system. The automatic 4-speed turntable features damped cue and pause to permit interruption at any point. Counterbalanced low-mass aluminum tone arm with vernier adjustment. Anti-skate control applies continuously corrected compensation at all groove diameters. Has high-torque synchronous motor, heavy non-magnetic

turntable platter, micrometer stylus pressure control, automatic tone arm lock in "off" position, slide-in cartridge holder, stereo muting switch, and pop filter. The powered base automatically shuts off your receiver or amplifier when turntable shuts off or can be manually bypassed. 15" x 14". Complete with automatic changer, base, dust cover, and the Shure M-93E elliptical magnetic cartridge. AC.

42 B 6048 U. Shpg. wt. 18 lbs. 119.95

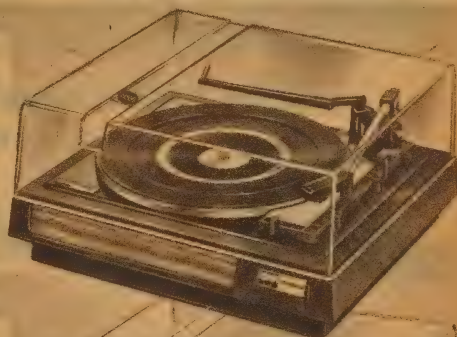
- Dynamically-balanced synchronous motor
- Viscous damped cuing and pause control
- Shure M-93E elliptical magnetic cartridge
- Custom dust cover, base

"Total Turntable" with synchronous motor

BSR McDonald 510/X. Automatic turntable package sharing many features with the 610/X. Complete and ready to connect to your receiver or amplifier for great stereo sound. Has a synchronous motor to provide quick starts, constant speed. Low-mass tone arm with vernier counterbalance adjustment, damped cuing and pause, continuously-corrected anti-skate, micrometer stylus pressure control, slide-in cartridge holder, automatic tone arm lock, 4-speed. Automatic or manual operation. 15" x 14". Complete with automatic changer, base, dust cover, and the Shure M-75 magnetic cartridge. AC.

42 B 6049 U. Shpg. wt. 15 lbs. 89.95

**Quality
Turntable
Package
89⁹⁵**

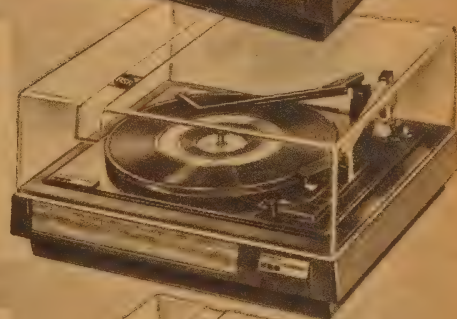


"Total Turntable" with anti-skate

BSR McDonald 310/X. For those who want professional performance at a lower price, this turntable system is ideal. A high-quality automatic changer with everything you need to connect to your receiver or amplifier for immediate playing. Includes many features usually found only on more expensive models. Has cuing and pause control, continuously anti-skate compensation, and an aluminum low-mass tone arm. Dynamically balanced 4-pole induction motor minimizes rumble and wow at all 4 speeds. 15" x 14". Complete with automatic changer, base, dust cover, and Shure M-75 magnetic cartridge. AC.

42 B 6050 U. Shpg. wt. 15 lbs. 59.95

**Budget-priced
Turntable
Package
59⁹⁵**



Miniature 4-speed "Total Turntable"

BSR McDonald 210/X Micro Mini. Designed for those who want professional performance but don't have the room for a larger system, this fine turntable package takes up only a 13" x 10" space yet produces excellent stereo sound when connected to your music system. Features low-mass aluminum pickup arm and 2-pole induction motor for the finest performance. Operates either manually or automatically at all four speeds. Complete with automatic changer, base, tinted dust cover, 45 rpm adapter spindle, and stereo ceramic cartridge. AC.

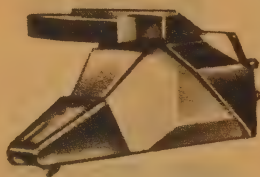
42 B 6051 U. Shpg. wt. 9 1/2 lbs. 49.95

**"Micro Mini"
Turntable
Package
49⁹⁵**



Allied Radio Shack is headquarters for everything in stereo equipment

Values in popular hi-fi magnetic Stereo Cartridges



Empire deluxe Elliptical
Cut \$20.00 39⁹⁵

Model 888VE. Was \$59.95. Top performance at low cost! Has .0002"x.0007" diamond stylus. Response, 6-32,000 Hz. Output, 5.0 mV per channel. Compliance, 32x10⁻⁶ cm/dyne. Channel separation, 32 dB. Tracks perfectly at 1/2 to 1 1/2 grams.

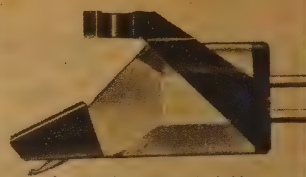
42 B 6325 S. Wt. 4 oz. 39.95



Pickering Elliptical
Cut \$15.00 29⁹⁵

Model V15/AME-3. Was \$44.95. Money-saving low price for brilliant stereo reproduction. Has 15°.0003"x.0009" diamond stylus. Frequency response, 10-25,000 Hz. 32 dB channel separation. Tracks at 1/2 to 1 1/2 grams. Complete with snap-in bracket.

42 B 6326 S. Wt. 3 oz. 29.95



Empire Elliptical
Cut \$10.00 19⁹⁵

Model 808E. Was \$29.95. What value! Has 15°.0004"x.0009" elliptical diamond stylus. Frequency response, 10-25,000 Hz. Output, 8.0 mV per channel. Stereo separation, 30 dB. Compliance, 20x10⁻⁶ cm/dyne. Tracks at 1/2 to 4 grams.

42 B 6327 S. Wt. 4 oz. 19.95



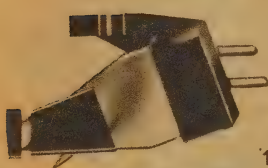
Shure "Dynetic" magnetic Stereo Cartridge for finest performance

Improved!
67⁵⁰

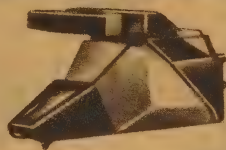
Model V15 Type II. Popular favorite—now with improved trackability in the bass and mid-frequency range. Trackability at 1 gram: 35 cm/second at 1000 Hz. Bi-radial .0002"x.0007" diamond stylus. Frequency response, 20-25,000 Hz. Stereo channel separation, over 25 dB.

42 B 6317 S. Shpg. wt. 6 oz. 67.50

Empire elliptical magnetic Cartridges for your stereo pleasure



A
99⁹⁵
FINEST!
1000ZE/X



B
999VE/X



C
Deluxe
999TE/X

64⁹⁵

Choose the Empire elliptical cartridge that fits your budget—all are designed for magnificent stereo reproduction. All models feature 15° tracking angle, induced field moving magnetic armature, 4-coil system for complete freedom from hum pickup. Low dynamic mass, outstanding channel separation and stylus compliance. Fully compatible for stereo and mono. Standard 47,000 ohm load impedance. Easily replaceable stylus.

A 1000ZE/X Micro Elliptical—Empire's Finest. Designed for the audio connoisseur—allows no foreign noises, has perfect magnetic balance. Features a hand-polished, bi-radial micro diamond stylus, .0002"x.0007". Frequency response, 4-40,000 Hz. Output, 5.0 mV per channel. Stereo separation, 35 dB. Compliance, 35x10⁻⁶ cm/dyne. Tracking from 1/2 to 1 1/2 grams.
42 B 6301 S. Shpg. wt. 4 oz. 99.95

B 999VE/X Deluxe Elliptical. Top quality for the audio perfectionist. Hand-polished, bi-radial micro diamond stylus, .0002"x.0007". Frequency response, 6-36,000 Hz. Output, 6.0 mV per channel. Channel separation, 35 dB. Compliance, 35x10⁻⁶ cm/dyne. Tracking force, 1/2 to 1 1/2 grams.
42 B 6302 S. Shpg. wt. 4 oz. 79.95

999SE/X Elliptical. Hand-polished, bi-radial .0002"x.0007" diamond stylus. Response, 8-32,000 Hz. Output, 0.8 mV per channel. Stereo separation, 35 dB. Compliance, 30x10⁻⁶ cm/dyne. Tracking force, 1/2 to 1 1/2 grams.
42 B 6304 S. Shpg. wt. 4 oz. 49.95

C 999TE/X Elliptical. Hand-polished, bi-radial diamond stylus, .0002"x.0007". Frequency response, 6-32,000 Hz. Output, 8.0 mV per channel. Stereo separation, 35 dB. Compliance, 30x10⁻⁶ cm/dyne. Tracking force, 1/2 to 1 1/2 grams.
42 B 6303 S. Shpg. wt. 3 oz. 64.95

999PE/X Elliptical. Hand-polished, bi-radial .0003"x.0007" diamond stylus. Frequency response, 8-32,000 Hz. Output 8.0 mV per channel. Stereo channel separation, 35 dB. Compliance, 10⁻⁶ cm/dyne. Tracking force, 1/2 to 2 grams.
42 B 6305 S. Shpg. wt. 3 oz. 44.95

999E/X Elliptical. Hand-polished bi-radial .0003"x.0007" diamond stylus. Frequency response, 10-30,000 Hz. Output, 8.0 mV per channel. Stereo separation, 35 dB. Compliance, 25x10⁻⁶ cm/dyne. Tracking force, 1/2 to 2 grams.
42 B 6306 S. Shpg. wt. 4 oz. 39.95

909E/X Elliptical. Bi-radial .0004"x.0007" diamond stylus. Frequency response, 12-25,000 Hz. Output, 8 mV per channel. Stereo channel separation, 30 dB. Compliance, 15x10⁻⁶ cm/dyne. Tracking force, from 1 to 4 grams.
42 B 6307 S. Shpg. wt. 4 oz. 29.95

90EE/X Elliptical. Bi-radial .0004"x.0007" diamond stylus. Frequency response, 15-25,000 Hz. Output, 8.0 mV per channel. Stereo channel separation, 30 dB. Compliance, 10x10⁻⁶ cm/dyne. Tracking force, from 1 1/2 to 4 grams.
42 B 6308 S. Shpg. wt. 4 oz. 24.95

Realistic diamond-stylus magnetic Stereo Cartridges



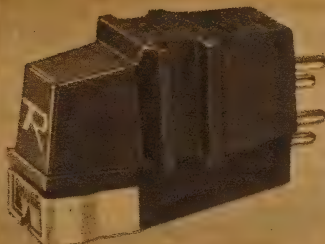
HI-performance Conical

295

- Diamond stylus
- 20-20,000 Hz

Model R7C. High performance economy cartridge with .0006" conical diamond stylus. Ideal for changers with tracking force of 3-5 grams. Response, 20-20,000 Hz. Separation, 25 dB at 1 kHz. Retractable floating stylus.

42 B 2760 S. Wt. 8 oz.12.95



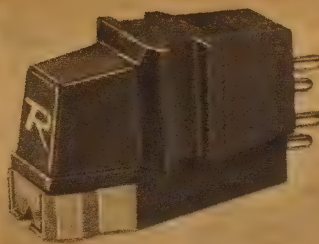
Economy Elliptical

1895

- Diamond stylus
- 20-20,000 Hz

Model R47EB. Realistic's lowest-priced elliptical adds great sound to changers with a conical cartridge. .0004"x.0007" stylus. 20-20,000 Hz. Separation, 20 dB at 1 kHz. Tracks 1 1/2-3 grams.

42 B 2261 S. Wt. 8 oz.18.95



Low-tracking Elliptical

2495

- Tracks 1-2 gm.
- 20-20,000 Hz

Model R27E. Fine low-tracking cartridge for the very best changers and turntables. Bi-radial elliptical .0007"x.0002" diamond stylus. Tracking, 1/4 to 1 1/2 grams. Response, 20-20,000 Hz. Over 25 dB stereo separation.

42 B 2763 S. Wt. 8 oz.24.95

Pickering magnetic Stereo Cartridges



Model V-15/750E Deluxe Elliptical. For automatic and manual turntables. Light tracking. .0002"x.0009" elliptical diamond stylus. Response, 10-25,000 Hz. Separation, 35 dB. Tracks at 1/2 to 1 gram.

42 B 6315 S. Shpg. wt. 3 oz.65.00

Model V-15/400E Deluxe Elliptical. Extra-light tracking force, from 1/4 to 1 1/2 grams. Has .0003"x.0009" elliptical diamond stylus. Response, 10-25,000 Hz. Separation, 35 dB. With record cleaning brush.

42 B 6316 S. Shpg. wt. 3 oz.54.95

Model 5/AME-Phase IV Elliptical. Has .0003"x.0009" diamond stylus. Response, 10-25,000 Hz. Separation, 32 dB. Tracks at 1 1/4 (± 1/2) grams. With brush.

42 B 6309 S. Shpg. wt. 3 oz.49.95

Model 5/AM-Phase IV Spherical. Has .0007" spherical diamond stylus. Frequency response, 10-23,000 Hz. Separation, 32 dB. Tracks at 2 (± 1) grams. Complete record cleaning brush.

42 B 6310 S. Shpg. wt. 3 oz.34.95

Model 5/ATE-3 Elliptical. Has .0004"x.0009" diamond stylus. Frequency response, 10-23,000 Hz. Separation, 32 dB. Tracking force, 2-5 grams. With brush.

42 B 6311 S. Shpg. wt. 3 oz.39.95

Model 5/ACE-3 Elliptical. Features .0004"x.0009" diamond stylus. Frequency response, 10-20,000 Hz. Stereo channel separation, 26 dB. Tracking force, from 3 to 5 grams. With record cleaning brush.

42 B 6312 S. Shpg. wt. 3 oz.29.95

Model 5/ATE-1 Elliptical. Boasts .0005"x.0010" diamond stylus. Response, 10-20,000 Hz. Separation, 26 dB. Tracks at 3 to 5 grams. With record brush.

42 B 6313 S. Shpg. wt. 3 oz.24.95

Model 5/AC-2 Spherical. Has .0007" diamond stylus. 20-000 Hz. Separation, 26 dB. Tracking, 3-7 grams.

42 B 6314 S. Shpg. wt. 3 oz.21.95

Shure Magnetic Stereo Cartridges

"Dynetic" magnetic Stereo Cartridges

Low in cost—outstanding in stereo reproduction



Model M55E Elliptical. Has 15° .0002"x.0007" diamond stylus. 20-20,000 Hz. Separation, 25 dB. Tracks from 1/4 to 2 grams.

42 B 6319 S. Shpg. wt. 6 oz.29.95

Model M44E Elliptical. Features .0004"x.0007" diamond stylus. 20-20,000 Hz. Separation, 25 dB. Tracking from 1 1/4 to 4 grams.

42 B 6318 S. Shpg. wt. 6 oz.24.95

Model M32E Elliptical. Has .0004"x.0007" diamond stylus. 20-17,500 Hz. Separation, 20 dB. Tracks 2 1/2 gm.

42 B 6320 S. Shpg. wt. 3 oz.29.50

Model M44-7 Conical. Retractable 15° .0007" diamond stylus. 20-20,000 Hz. Separation, 25 dB. Tracks from 1 1/2 to 3 grams.

42 B 6321 S. Shpg. wt. 6 oz.19.95

Hi-Track Series magnetic Cartridges

Top performing cartridges!



Finest M91E Elliptical. Has bi-radial .0002"x.0007" diamond stylus. Frequency response, 20-20,000 Hz. Stereo channel separation, 25 dB. Tracks from 1/4 to 1 1/2 grams. Trackability at 1 gram: 28 cm/second at 1 kHz.

42 B 6322 S. Shpg. wt. 6 oz.49.95

Model M92E Deluxe Elliptical. Features bi-radial .0002"x.0007" diamond stylus. Frequency response, 20-20,000 Hz. Stereo channel separation, 25 dB. Tracking force, from 1/4 to 1 1/2 grams. Trackability: 26 cm/second at 1 kHz.

42 B 6323 S. Shpg. wt. 6 oz.44.95

Model M93E Elliptical. Bi-radial .0004"x.0007" diamond stylus. Frequency response, 20-20,000 Hz. Separation, 25 dB. Tracks from 1 1/4 to 3 grams. Trackability at 2 grams: 25 cm/second at 1 kHz. Exceptional performance in automatic or manual turntables.

42 B 6324 S. Shpg. wt. 6 oz.39.95

Replacement Styli and Stereo Record Packages

Manufacturer's exact-replacement Styli for stereo hi-fi cartridges

- Made by manufacturer to duplicate the original stylus
- Precision-manufactured to insure exact performance
- Wide selection to fit most popular stereo cartridges

Replacement styli (needles) made by the original cartridge manufacturer, so performance exactly duplicates the original stylus. These are exact replacements for exact performance. When you need a replacement stylus be sure of top quality by selecting from this list. Selection includes styli from the most popular cartridge manufacturers for their most popular models. "For" column indicates cartridges.

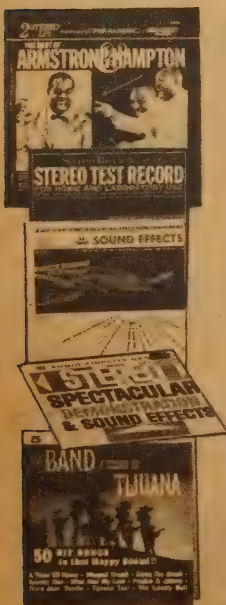


Choose the exact-replacement Stylus for your stereo cartridges

Stock No.	Mfr.	Needle Type	Size	For	EACH
42 B 6424 S	Shure	VN2E	Ellipt.	V-15	25.00
42 B 6425 S	Shure	VN15E	Ellipt.	V-15 Type II	27.00
42 B 6419 S	Shure	N32E	Ellipt.	M32E, RS-120E	14.50
42 B 6426 S	Shure	N99	.0007"	M99 Series	15.00
42 B 6427 S	Shure	N44-5	.0005"	M44-5	11.00
42 B 6428 S	Shure	N44-7	.0007"	M44-7, M98/A	9.75
42 B 6429 S	Shure	M21-D	.0007"	M7, M3, RS-100	11.00
42 B 6418 S	Shure	N55E	Ellipt.	M55E, M80 Series	14.95
42 B 6430 S	Shure	N3D	.0007"	M3D, M7D, M8D	7.95
42 B 6428 S	Shure	N44C	.0007"	M44C	9.00
42 B 6417 S	Shure	N44E	Ellipt.	M44E	12.50
42 B 6421 S	Shure	N91E	Ellipt.	M91E	24.50
42 B 6422 S	Shure	N92E	Ellipt.	M92E	22.50
42 B 6423 S	Shure	N93E	Ellipt.	M93E	19.50
42 B 6431 S	Shure	N75-6	.0007"	M75-6	11.35
42 B 6432 S	Pick.	PD07/C	.0007"	P/AC-1	9.90
42 B 6412 S	Pick.	PDE	Ellipt.	PAT/E	15.95
42 B 6408 S	Pick.	2500 AME	Ellipt.	Phase IV AME	28.50
42 B 6433 S	Pick.	D1500AME-3	Ellipt.	V15/AME-3	26.25
42 B 6410 S	Pick.	D1500ATE-3	Ellipt.	V15/ATE-3	23.65
42 B 6434 S	Pick.	D1507AT-3	.0007"	Pick. V15/AT-3	14.50
42 B 6435 S	Pick.	D1500ATE-2	Ellipt.	V15/ATE-2	18.95
42 B 6436 S	Pick.	D1507AT-2	.0007"	V15/AT-2, -1; KLI V15/AT-1, NAT, HAT-2, and H8AT-2; Scott V15/AT-2	11.50
42 B 6411 S	Pick.	D1500ACE-3	Ellipt.	V15/ACE-3	21.50
42 B 6437 S	Pick.	PD07/T	.0007"	P/AT	10.50
42 B 6438 S	Pick.	D3807ATG	.0007"	38ATG Series	15.95

Stock No.	Mfr.	Needle Type	Size	For
42 B 6415 S	Pick.	4500AME	Ellipt.	XV/15AME, 450E
42 B 6416 S	Pick.	D350	.0007"	XV15/AM, 350
42 B 6414 S	Pick.	D200	Ellipt.	XV15/ATE, 200E
42 B 6416 S	Pick.	D150	.0007"	XV15/AT, 150
42 B 6439 S	Pick.	D100	.0007"	XV15/AC, 100
42 B 6440 S	Pick.	D1507AM-2	.0007"	V15/AM-2, Scott V15/AM-2
42 B 6441 S	Pick.	D1507AC-2	.0007"	V15/AC-2-1 Bogen V15/AC-2; Fisher V15/AC-1 880P
42 B 6442 S	Empire	S880P-6RD	.0006"	880PE
42 B 6443 S	Empire	S880PE-ERD	Ellipt.	880
42 B 6444 S	Empire	S880-TRD	.0007"	888P
42 B 6445 S	Empire	S888P-6RD	.0006"	1000ZE
42 B 6400 S	Empire	S-1000ZE/XERD	Ellipt.	999VE/X
42 B 6401 S	Empire	S-999VE/XERD	Ellipt.	999TE/X
42 B 6402 S	Empire	S-999TE/XERD	Ellipt.	999SE/X
42 B 6403 S	Empire	S-999SE/XERD	Ellipt.	999PE/X
42 B 6404 S	Empire	S-999PE/XERD	Ellipt.	808E
42 B 6448 S	Empire	S-808E-ERD	Ellipt.	999E/X
42 B 6444 S	Empire	S-999E/XERD	Ellipt.	999/X
42 B 6446 S	Empire	S-999XRD	.0007"	888VE
42 B 6444 S	Empire	S888VE-ERD	Ellipt.	909E/X
42 B 6406 S	Empire	S-909E/XERD	Ellipt.	909/X
42 B 6447 S	Empire	S-909/XRD	.0007"	909E/X
42 B 6407 S	Empire	S-909E/XERD	Ellipt.	
42 B 2776 S	Realistic	RS7C	R7C	.0006"
42 B 2762 S	Realistic	RS47EB	R47EB	Ellipt.
42 B 2764 S	Realistic	RS27E	R27E	Ellipt.

Realistic Stereo LP Sets at record savings!



Organ in Stereo: Leon Berry at the giant Wuritzer. Eddie Osborn at the Baldwin bongos. Al Meigard on organ.

50 B 2000 X. 3-record set. Wt. 3 lbs. 4.95

Armed Forces In Action: Sounds of actual war.

50 B 2001 X. 5-record set. Wt. 4 lbs. 4.95

Guitar, Mandolin, Accordion: Dick Dia and Joe Basile's orchestra play 36 world favorites.

50 B 2002 X. 3-record set. Wt. 3 lbs. 4.95

Wonderful World of Show Music: Johnny Puleo, Dick Dia and Joe Basile play 36 Broadway, Hollywood, and TV favorites.

50 B 2003 X. 3-record set. Wt. 3 lbs. 4.95

Great Old Time Favorites. Al Hirt, Dukes of Dixieland, and others play Bill Bailey, Basin Street and other hit tunes.

50 B 2004 X. 3-record set. Wt. 3 lbs. 4.95

Million Seller Hits Of The Sixties. "101 Strings" play 40 top tunes of the decade.

50 B 2005 X. 4-record set. Wt. 3 lbs. 4.95

Great Piano Concert! 18 masterpieces performed by Europe's finest artists. Clair de Lune, Für Elise, classics by Grieg, Brahms, and more.

50 B 2006 X. 4-record set. Wt. 3 lbs. 4.95

Great Violin Concert! Europe's outstanding orchestras and soloists. Beethoven's Concerto in D, Opus 61, and ten more.

50 B 2007 X. 4-record set. Wt. 3 lbs. 4.95

Great Russian Masterpieces. Played by world-famed orchestras. Tchaikovsky, Stravinsky, Prokofiev, and others.

50 B 2008 X. 4-record set. Wt. 3 lbs. 4.95

Strauss Conducts Strauss. Immortal waltz polkas by Johann and Joseph.

50 B 2009 X. 4-record set. Wt. 3 lbs. 4.95

Around the World in 36 Melodies. A musical featuring Arrividerci Roma, and others.

50 B 2010 X. 3-record set. Wt. 3 lbs. 4.95

Designed For Dancing. Featuring Leste Al Hirt, Lionel Hampton, and other greats.

50 B 2011 X. 3-record set. Wt. 3 lbs. 4.95

Organ Masterpieces. Bach's Toccata and in D Minor, Concerto in C minor (Vivaldi).

50 B 2012 X. 3-record set. Wt. 3 lbs. 4.95

Music For Oboe, Flute, French Horn. 1 Sonata in G Minor, Prokofiev's Sonata in D.

50 B 2013 X. 3-record set. Wt. 3 lbs. 4.95

33 1/3 rpm Stereo Test Record. Test proper phasing, rumble, wear, etc.

50 B 1001 X. Wt. 1 lb. 1.95

33 1/3 rpm Sound Effects. 23 sound effects

50 B 1970 X. Wt. 1 lb. 1.95

Stereo Demonstration Disc. Spans the frequency with a stunning display of effects.

50 B 7777 X. Wt. 1 lb. 1.95

Stereo Test Record. Ideal for checking separation, frequency sweep, stylus wear.

50 B 1971 X. Wt. 1 lb. 1.95

Best Of Armstrong & Hampton. 24 great songs in 5 stereo LP sets.

50 B 2015 X. Wt. 1 lb. 1.95

The Band I Heard In Tijuana. 50 happy "beat" songs in a 5 stereo LP set.

50 B 1030 X. 5-record set. Wt. 5 lbs. 4.95

Allied's own Speaker Systems and ready-to-mount Speakers offer extra value and better hi-fi... see pages 77-85 and 98-102

nd Speaker Systems are crafted
e high-fidelity standards. They are
for Allied by the world's leading
component manufacturers. We have
del to meet your requirements, no
er how critical. Each offers sound
duction superior to comparably
d competing brands. Because we
in such large quantities, we can
ign in "higher quality at lower prices."
atisfaction is guaranteed—see
330 for details.

State-of-the-Art improvements for
the finest in sound reproduction are
constantly being incorporated into every
Allied hi-fi speaker, all at money-saving
prices. Available exclusively from Allied.

**A complete line of Allied Speaker
Systems is available.** A full range of
prices from \$9.95 to \$159.95... a model
for every taste and every pocketbook...
lets you enjoy music in every room of the
house.

Get Extra Value when you buy a
ready-to-mount Allied Speaker at
Allied's low price. You can custom-
build, design or select your own high-
fidelity speaker enclosure. Makes listen-
ing more fun.

Enjoy your favorite listening in game
room or den without taking up valuable
space with speaker enclosures. Ready-
to-mount speakers offer excellent per-
formance when installed in wall or ceiling.



**NEW! Our best Allied System
has a 15" woofer for bass that goes
down to lowest pipe organ notes**

159⁹⁵ no money down
see page 331

Model 2395. A powerhouse of a speaker system! Our
very best, it provides full audio bandwidth meaning that
you get full-fidelity at *all* frequencies: low, mid, high, and
at every point between. And it's yours at a surprising low
price. Giant 15" high-compliance woofer with a massive
4½-lb. magnet structure and 2" voice coil produces bass
so powerful, so deep, it will excite even the most experi-
enced hi-fi listener.

The die-cast, horn-loaded compression-type midrange
speaker has a large magnet structure and 1½" voice
coil, providing clean midrange sound with exceptional
presence for dramatic realism. Wide-dispersion, dome
radiator tweeter with ¾" voice coil, 9.8-ounce magnet
structure ensures an extremely wide range of brilliantly
defined high notes from 8000 Hz to beyond the range of
hearing. Built-in electrical crossover divides the audio
range at 1000 Hz and 8000 Hz.

Two level controls at rear of cabinet permit easy adjust-
ment of midrange and tweeter volume to suit your listen-
ing room acoustics. Operates equally well vertically on
floor or horizontally on shelf. ¾" hardwood construction
cabinet with flush grooved satin black base included.
Handsome walnut veneer finish and stylish sculptured
moldings. Decorator grille cloth. Power capacity: 50
watts, 100 watts peak. 29¾"x20¼"x14".

40 B 5002 Z. Shpg. wt. 62 lbs.159.95

SPECIFICATIONS

Overall Frequency Response: 20 Hz to beyond
audio range. **Woofer:** 15" high compliance; with
massive 4½-lb. magnet structure and 2"
voice coil for excursions of up to ¾". Flux, 8000
gauss. Free-air resonance, 30 Hz. Response,
0-1000 Hz. **Midrange:** die-cast, horn-loaded
compression-type; 4-oz. magnet structure. ¾"
voice coil. Response, 1000-8000 Hz. **Tweeter:**
dome radiator; 9.8-oz. magnet structure. ¾"
voice coil. Flux, 13,000 gauss. Response; 8000 Hz
to beyond audio range. **Crossovers:** 1000 Hz and
8000 Hz. **Capacity:** 50 watts, 100 peak. Imp. 8 ohms.

Compression
midrange horn

High-compli-
ance 15" woofer

Handsome satin
black base

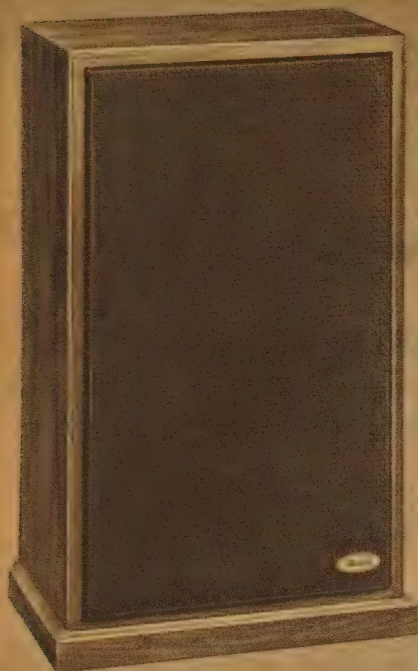
¾" paneling,
walnut veneer

Tuned port for
deeper bass

Dome radiator
VHF tweeter



NEW! Allied three-way 12" floor model Speaker System with acoustic suspension . . turns your living room into a concert hall



99⁹⁵

Low price for this true floor system offers full-range fidelity and distinctive appearance for listening room elegance.

Model 2345. All new! Exciting professional-quality floor system for less than \$100.00. Features world-renowned acoustic-suspension principle. 12" half-roll cloth surround woofer that pours out clean, powerful sound as low as 20 Hz. Efficient 4" midrange with 6.8-oz. magnet structure delivers clean, widely-dispersed midrange sound. 3½" tweeter with magnet structure provides natural, brilliant highs to beyond audible range. Adjustable treble control. Wood cabinet with oiled walnut veneer and protruding black grille cloth on matching walnut base. 26½"x16½"x10" B 5016 U. Shpg. wt. 35 lbs.

SPECIFICATIONS

Overall Response: 20 Hz to beyond audibility. **Woofer:** 12" acoustic-suspension, high-compliance, cloth roll with 3½-lb. Alnico V mag. struc. Response, 20-1000 Hz. **Midrange:** 4" cone-type, Alnico V. 6.8 oz. mag. struc. Response, 1000-5000 Hz. **Tweeter:** 3½" cone-type, with 6.8-oz. Alnico V mag. struc. Response, 5000 to beyond audibility. **Crossover:** 5000 Hz, mech./1000 Hz, elec. **Capacity:** 35 W, 70 W peak. **Impedance:** 8 ohms.



Allied's own 10" bookshelf Speaker System with tone-improving passive radiator for powerful bass reaching down to 20 Hz



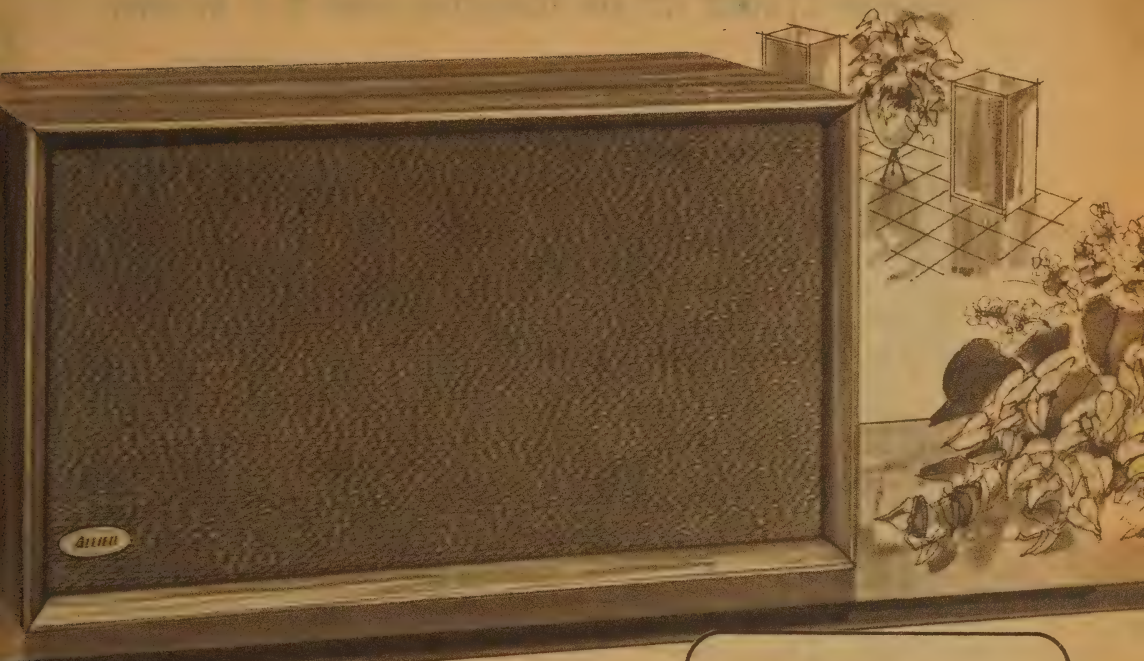
Oiled walnut enclosure.
3" high-frequency speaker
10" passive radiator
10" low-frequency speaker

149⁹⁵

Model 2760. A masterpiece of bookshelf speaker design . . . delivers music to fill the largest room! High-compliance 10" frequency speaker is reinforced by a unique free-suspension phase inverter (passive radiator). This freely-suspended cone operates in phase with the loudspeaker wave, doubling the speaker sound-radiating area for providing richer, more thunderous bass performance, plus greater dynamic range. Bass response extends to 20 Hz. Harmonic distortion is practically non-existent. Direct-radiator wide-dispersion high-frequency speaker provides brilliant highs. Uses as little as 10 watts per channel. Rear-cabinet 3-position high-frequency control. ¾" enclosure has a handsome walnut veneer finish and beige grille cloth. 12½"x12½"x10" B 5001 U. Shpg. wt. 30 lbs.

Overall Frequency Response: 20-20,000 Hz. **Low Frequency:** 10" high-compliance cone type, augmented by a 10" passive radiator phase inverter. **High Frequency:** 3" wide dispersion cone-type direct radiator. **Power Capacity:** 40 watts, 80 watts peak. **Impedance:** 8 ohms. **Crossover:** RC-network at 2500 Hz.

NEW! Our best bookshelf system..for perfectionists



**pecially designed for Allied to give you the deep
bass of a floor model in a shelf-size system**

*Big 12" woofer pours out bass with the power to shake
the walls . . midrange horn and tweeter horn recreate
music with a clarity never before thought possible*

2373K. This extraordinary new bookshelf system easily outperforms anything
price class. Recreates all the excitement and power of a full orchestra range.
of this system is our high-compliance 12" woofer that pours out powerful bass
n actually feel . . down to 20 Hz. Special high-compliance cloth-surround and
closure's sealed-in air act as a spring-suspension element, giving you ex-
bass response and harmonic distortion that is practically non-existent. Mid-
speaker consists of a die-cast compression driver with a diffraction horn for
with a bell-like clarity. Die-cast high-frequency tweeter, also with a diffraction
gives you sparkling treble response. Two level controls permit midrange and
r adjustment to room acoustics. Easy, one-evening assembly with just a
driver. With finishing oil and instructions. 14x25x13 1/2".

12 Z. Kit Form. Shpg. wt. 51 lbs. 99.95
11 Z. Model 2373. Factory Assembled and Finished 139.95

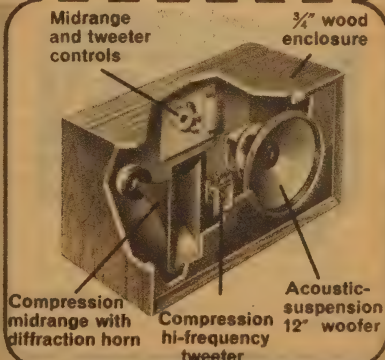
SPECIFICATIONS

Frequency Response: 20 Hz to beyond audio range.
Woofer: 12" High compliance; cloth roll surround; 2" diameter, long excursion voice
coil; 3 1/2 lb. magnet structure; flux, 6000 gauss; frequency response, 20-1000 Hz.
Midrange: Die cast, horn loaded, compression type; 6 oz. magnet structure, 1"
voice coil; flux 8000 gauss; Response, 1000 Hz to 5000 Hz.
Tweeter: Die cast, horn loaded, compression type; 10 oz. magnet structure; 1" voice
coil; flux 10,000 gauss; Response, 5000 Hz to beyond audibility.
Capacity: 35 watts, 70 watts peak.
Frequency Range: 1000 Hz and 5000 Hz.
Coil Impedance: 8 ohms.
Controls: Two; adjustable tweeter and midrange controls at rear of cabinet.
Size: 14x25x13 1/2" deep.
Material: 3/4" wood with walnut veneer finish and sculptured molding.

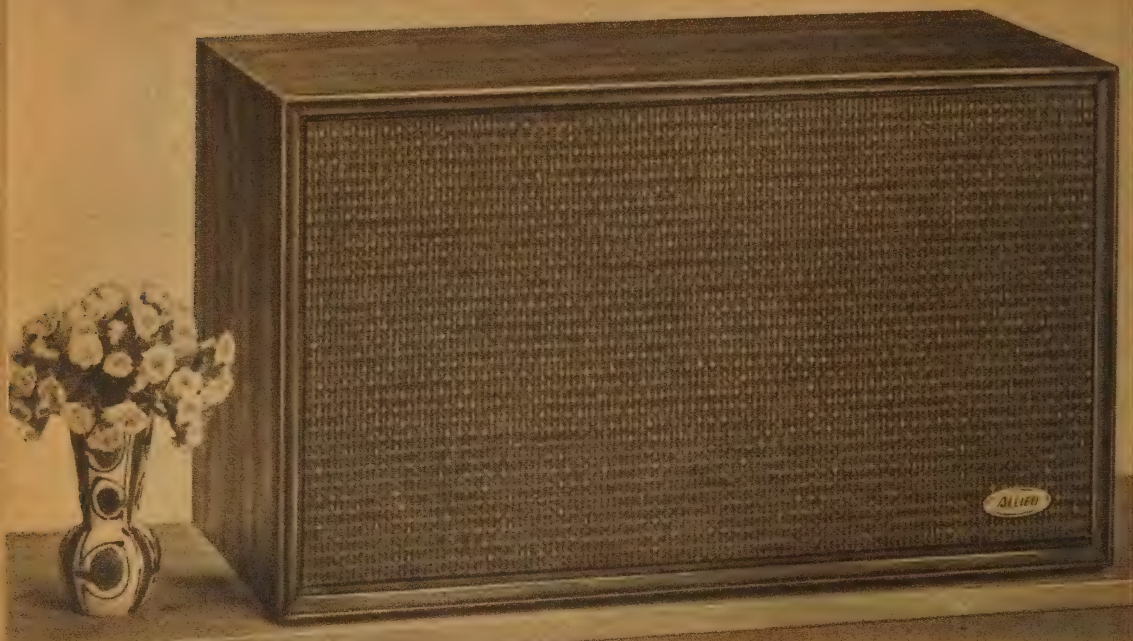
**Allied's own
three-way 12"
acoustic suspension
Speaker System Kit**

**ASSEMBLE IT YOURSELF
AND SAVE \$40.00**

Kit form	Assembled
99⁹⁵	139⁹⁵



NEW! Allied's own no-compromise acoustic-suspension Speaker System for the budget-minded hi-fi listener

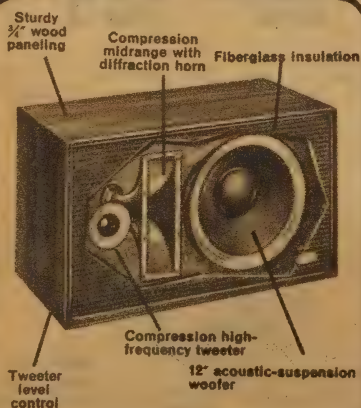


3-way 12" bookshelf Speaker System

**ASSEMBLE IT YOURSELF
AND SAVE \$30.00**

Kit form
79⁹⁵

Assembled
109⁹⁵



Boasts 12" woofer for deep 25-Hz bass plus compression tweeter and midrange horn for response to 20,000

Model 2315K. You'll enjoy assembling this speaker system as much as you enjoy the superb hi-fi music reproduction it provides. Allied's no-compromise engineering brings you luxurious styling and fine performance, *plus* a \$30.00 savings when you build it yourself. Powerful 12" acoustic woofer features cloth-roll suspension for massive 6 3/4-lb. magnet structure and 2" voice coil . . . brings you thunderous distortion-free bass. Compression midrange with diffraction horn gives you wide-dispersion sound. Compression-type tweeter offers ultra-clean response to 20,000 Hz. Crossovers at 2500 Hz and 10,000 Hz divide the audio frequency spectrum, balance control located at rear of cabinet permits adjustment of high-frequency response to suit individual room acoustics. Fiber glass-insulated to prevent spurious resonance. Can be placed vertically or horizontally on floor or shelf. A screwdriver is needed to assemble the kit. Comes with detailed, easy-to-follow instructions and walnut finishing oil. Size, 24x14x12 3/4". Shpg. wt. 42 lbs.

40 B 5019 U. Kit Form

40 B 5018 U. Model 2315. Factory Assembled and Finished

SPECIFICATIONS

Overall Frequency Response: 25 to 20,000 Hz.

Woofer: 12" acoustic-suspension, cloth-roll with 6 3/4-lb. ceramic magnet structure. Flux, 12,000 gauss. 2" voice coil. Response, 25-2500 Hz.

Midrange: compression driver with wide-dispersion diffraction horn, ceramic magnet structure. Flux, 6900 gauss. 1" voice coil. Response, 2500-10,000 Hz.

Tweeter: Compression-type, with 6 oz. Alnico V magnet structure and 1" voice coil. Response, 10,000 Hz to 20,000 Hz.

Crossovers: L-C at 2500 Hz and 10,000 Hz.

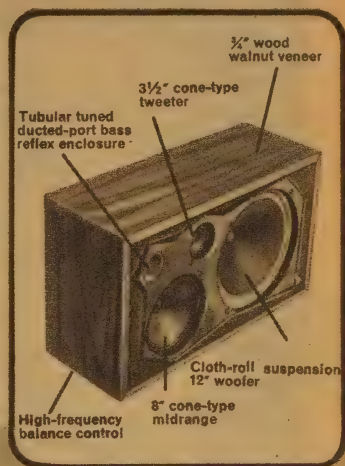
Voice Coil Impedance: 8 ohms.

Power Capacity: 30 watts, 60 watts peak.

Control: tweeter balance.

Cabinet: 3/4" wood with walnut veneer and sculptured molding

NEW! High performance easy-to-assemble Speaker System Kit with plenty of woofer-power for even those "heavy" sounds



SPECIFICATIONS

Overall Response: 35-18,000 Hz. **Woofer:** 12", 2-lb. ceramic mag. structure, cloth-roll suspension. 1" voice coil. **Response,** 35-2000 Hz. **Midrange:** 8" cone-type, 4-oz. Alnico V mag. structure. 1" voice coil. **Response,** 2000-5000 Hz. **Tweeter:** 3 1/2" cone-type, 6-oz. Alnico V mag. structure. 1/2" voice coil. **Response,** 5000-18,000 Hz. **Capacity:** 25 watts, 50 watts peak. **Impedance:** 8 ohms.

59⁹⁵ Allied's own 3-way 12" Speaker System Kit with bass-deepening tuned-port enclosure

Model 2325K. Enjoy dazzling music reproduction at a modest price. Sounds superior to many systems costing far more. Have the fun of assembling and finishing the system yourself. Assembles in less than an hour with just a screwdriver. Then just rub in the walnut finishing oil for a beautiful hand-crafted-furniture look. You'll be delighted with the professional results. Tuned bass-reflex-type enclosure has 12-inch high-compliance woofer with 2-lb. ceramic magnet structure for smooth bass down to 35 Hz. 8-inch midrange performs smoothly from 2000 Hz and 3 1/2-inch high-frequency tweeter takes the upper range with ease. Rear-cabinet high frequency control. 3/4" wood paneling. Finishing oil, instructions. 24x14 1/2 x 9 3/8".

40 B 5017 U. Shpg. wt. 30 lbs. 59.95

What's the "Best Buy" at a moderate price? This Allied 12" System



79⁹⁵ 3-way speaker system has a 30-18,000 Hz response that covers full orchestral range

Model 2330A. By far your best buy in the moderate-priced field! You get three separate, matched speakers in a tubular-tuned ducted-port bass reflex-type enclosure. Husky high-compliance 12" cloth-roll suspension woofer delivers smooth bass all the way down to 30 Hz. Cone-type 8" midrange speaker delivers clear mid-frequencies and wide dispersion. Cone-type 3 1/2" tweeter provides sparkling highs up to 18,000 Hz. Tweeter balance control permits adjustment to room acoustics and your personal listening tastes. Enclosure is 3/4" wood with walnut veneer finish and sculptured molding with acoustically transparent custom woven grille cloth. Specially-lined with fiberglass to prevent annoying spurious resonances. 30 watts, 60 watts peak. 8 ohms. Size, 14 1/2 x 24 x 10".

40 B 5003 U. Shpg. wt. 33 lbs. 79.95

NEW! This System's only compromise is in its price



**Our lowest priced Allied
12" bookshelf Speaker
System... three separate
speakers for great hi-fi**

**ASSEMBLE IT YOURSELF
AND SAVE \$25.00**

Kit form

44⁹⁵

Assembled

69⁹⁵



Model 3040K. Functionally designed and magnificently engineered. A convincing example of Allied hi-fi leadership that achieves new goals in bringing you a new space-saving cabinet and full range hi-fi reproduction, all at a modest price. System features three perfectly balanced speakers, a precision-tuned port, and acoustically balanced enclosure—all critically tuned like a fine musical instrument that produces life-like hi-fi sound. King-size 12" woofer has a husky 2-pound magnet structure coupled to a 1-inch voice coil that delivers full-throated bass response as deep as 45 Hz without strident sound or "booming" effect.

Efficient 6" cone-type speaker with 3 3/4-ounce Alnico V magnet structure and 1-inch voice coil delivers pure midrange sound between 2000 and 5000 Hz. Specially designed 3 1/2" cone tweeter with 2-ounce Alnico V magnet structure and 1/2-inch voice coil disperses clear, brilliant highs up to 16,500 Hz over the widest possible area for a truly "big" hi-fi sound. Capacitor-type electrical crossover divides the audio spectrum at 2000 and 5000 Hz. High-frequency level control at rear of cabinet adjusts treble response to suit room acoustics and listening tastes.

Has 3/4-inch wood enclosure with veneered walnut finish and beautiful sculptured molding. Assembly is accomplished in less than an hour—only a screwdriver required. You merely follow the clearly illustrated instructions... even the finishing oil is included for rubbing in handsome, professional-looking walnut finish. 14x22 Shpg. wt. 20 lbs.

40 B 5015 U. Kit Form
40 B 5014 U. Model 3040. Factory Assembled and Finished.....

SPECIFICATIONS

Overall Frequency Response: 45-16,500 Hz.

Woofer: 12" with 2 lb. ceramic magnet structure. Flux, 10,500 gauss. 1" voice coil. Response, 45-2000 Hz.

Midrange: 6" cone-type. 3 3/4 ounce Alnico V magnet structure, Flux, 6200 gauss. 3/4" voice coil. Response, 2,000-5,000 Hz.

Tweeter: 3 1/2" cone-type direct radiator. 2 oz. Alnico V magnet structure. Flux, 4,800 gauss. 1/2" voice coil. Response, 5000-16,500 Hz.

Crossovers: electrical at 2000 and 5000 Hz.

PowerCapacity: 25 watts, 50 watts peak.

Voice Coil Impedance: 8 ohms.

Enclosure: Bass reflex-type with tuned port and fiber glass insulation to prevent resonance.

Control: Tweeter level on back.

Meet the compact System that fills an entire room



Three separate speakers plus bass-deepening tuned port for full-bodied room-filling sound

Even at this low price you get a big 10" woofer for solid bass response right down to 40 Hz, plus high frequencies to 17,000 Hz... a great value!

Model 3017K. You'll be thrilled by the wide frequency response of our most popular low-cost speaker system kit. It's priced so low, you can buy a pair in kit form for less than you would expect to pay for just one system of comparable quality. Big 10" woofer delivers hefty, peak-free bass as low as 40 Hz. Sealed back cone-type midrange delivers mid-frequency realism that will delight even the critical listener. High-frequency tweeter, with 3½" cone and 2-ounce Alnico V magnet structure, delivers sparkling treble. Capacitor-type electrical crossover network divides audio spectrum at 800 Hz and 5000 Hz for smoothest sound. Acoustic insulation prevents resonance. Has ¾-inch wood enclosure with walnut veneer finish and matching cane grille cloth. Kit includes all parts, finishing oil and instructions. 22x8". Shpg. wt. 22 lbs.

35009 U. Kit Form..... 34.95
35008 U. Model 3017. Factory Assembled and Finished..... 49.95

SPECIFICATIONS

Overall System Frequency Response: 40-17,000 Hz.

Woofer: 10-inch cone with 1¾ pound ceramic magnet structure. Four-layer copper-wire voice coil with 1-inch diameter. Flux density: 8600 gauss. Frequency response: 40-800 Hz.

Midrange: 6-inch cone type. 3¼-ounce Alnico V magnetic structure. Frequency response: 800-5000 Hz.

Tweeter: 3½-inch cone type with 2-ounce Alnico V magnet structure. Flux density: 4800 gauss. Frequency response: 5000-17,000 Hz.

Crossover Network: built-in electrical capacitor-type, with crossovers at 800 and 5000 Hz.

Power Handling Capacity: 20 watts program, 40 watts peak.

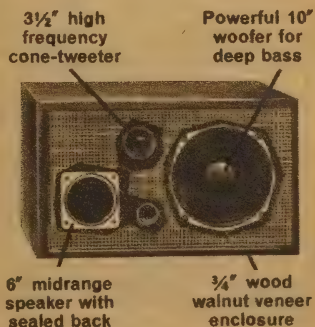
System Impedance: 8 ohms nominal.

Cabinet: ¾" wood with five-ply walnut veneer and ½" fiberglass insulation.

**Allied 3-way design
 Speaker System
 with 10" woofer and
 tuned ducted port**

**ASSEMBLE IT YOURSELF
 AND SAVE \$15.00**

Kit form	Assembled
34⁹⁵	49⁹⁵



**Allied 8" bookshelf
Speaker System...even
this low-priced hi-fi
model is built to
cover all the basses**

29⁹⁵

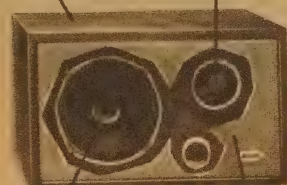
no money down

see page 331



Solid $\frac{3}{4}$ "
wood
enclosure

$3\frac{1}{2}$ " direct
radiator cone
tweeter



8" woofer
with midrange
whizzer cone

Acoustically
transparent
grille cloth

For budget stereo systems or extension speaker use

Compact enclosure is less than 8" deep, yet its 8" woofer works with the tuned ducted-port to give you 50-Hz bass that reproduces the full tonal range of nearly all musical instruments . . . 15,000-Hz treble response, too

SPECIFICATIONS

Overall Response: 50-15,000 Hz.

Woofer: 8" with whizzer midrange cone; 1 $\frac{1}{2}$ -lb. ceramic magnet structure and 1" voice coil.

Tweeter: $3\frac{1}{2}$ " with 6-oz. Alnico V magnet structure and $\frac{3}{16}$ " voice coil.

Crossover: R-C type at 8000 Hz.

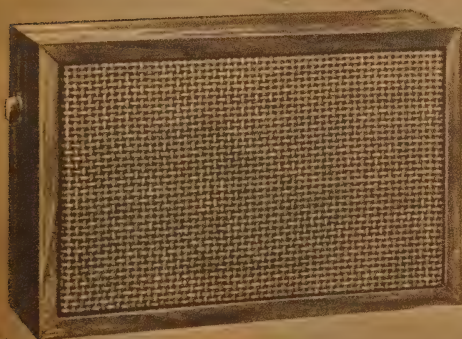
Power Handling Capacity: 15 watts, 30 watts peak.

Impedance: 8 ohms.

Enclosure: $\frac{3}{4}$ " wood, bass reflex.

Model 3007. In its price range this is the king of 8" speaker systems. Deliversprisingly powerful and natural bass response, clean midrange, and undist highs. You just can't do better for the money. Special 8" woofer has powerful flux 1 $\frac{1}{2}$ -lb. ceramic magnet structure coupled to 1" voice coil for high efficiency a smooth bass response extends to 50 Hz—without booming. Bass reflex-type closure with precision tuned ducted port and fiberglass insulation prevents ringing resonance and improves bass response. Whizzer cone improves mid-frequency for much greater "presence". Direct radiator cone tweeter has a 6-oz. Alnico magnet structure coupled to $\frac{3}{16}$ " voice coil for treble response up to 15,000 Hz. Built-in resistor-capacitor type crossover evenly distributes the frequency 8000 Hz. Solid $\frac{3}{4}$ " wooden closure, walnut veneer finish. Attractive, acoustically transparent cane grille cloth. Only 11 $\frac{1}{8}$ "x18 $\frac{1}{8}$ "x7 $\frac{1}{8}$ " deep.

40 B 5007 X. Shpg. wt. 17 lbs.



NEW! Allied Speaker with volume control

9⁹⁵

An ideal extension speaker for stereo in a second room or as an auxiliary speaker for radio, phono or TV

Model 2375-B. Here's everything you need in a compact speaker system that's excellent, in pairs, to bring stereo to another room. It's also the perfect choice as an auxiliary speaker for use with radio or phono. Improves the sound of almost all TV sets, too, even at this low price, it includes a side-mounted built-in volume control. The 7x5" oval speaker has a powerful Alnico V magnet (surprisingly good frequency response. Power capacity, 6 watts peak). Impedance, 8 ohms. Walnut-finished cabinet has grille cloth. Screw terminals on rear. Only 7 $\frac{1}{4}$ "x11 $\frac{1}{4}$ "x3 $\frac{1}{2}$ " deep.

40 B 5013 X. Shpg. wt. 3 $\frac{1}{2}$ lbs.

3-way 10" acoustic suspension System

59⁹⁵

- 10" woofer delivers big bass
- 6" midrange for wide dispersion
- 3½" tweeter gives super-highs

Model 3070. Delivers smooth rich bass, clean life-like mid-frequencies, and crystal-clear highs. Features 10" woofer with a massive 2-pound magnet structure and 1" voice coil; midrange has 1.47-ounce Alnico V magnet with a 3¼" cone structure and ¾" voice coil; 3½" cone type tweeter has 0.68-ounce Alnico V magnet and a 2-ounce magnet structure with ¾" copper voice coil. Electrical crossover divides the audio frequency at 2500 Hz and 5000 Hz. Treble response control adjusts the texture of upper frequencies to perfection. Frequency response, 35-17,500 Hz. Capacity, 40 watts peak. 8 ohms. Walnut veneer. 12x22x8".
B 5010 U. Shpg. wt. 22 lbs. 59.95

3-way 10" 2-speaker System

49⁹⁵

- 10-oz. magnet for good bass
- 3½" tweeter for brilliant highs
- Handles 40 watts peak power

Model 3009A. Great speaker system value. Built for outstanding high-fidelity performance at an unbeatable low price! Special 10" woofer has powerful high-flux 1¼-lb. ceramic magnet structure coupled to 1" voice coil with separate high-frequency cone for high efficiency and smooth, distortion-free bass. Bass reflex type enclosure with precision tuned ducted port and fiberglass insulation prevents resonance and improves bass output. 3½" cone-type tweeter has 0.68-oz. Alnico V magnet structure with ¾" voice coil for excellent treble response. Built-in electrical crossover divides the audio frequency at 5000 Hz for efficient distribution of sound. Solid ¾" wood enclosure has handsome walnut veneer finish. Response, 35-17,000 Hz. Capacity, 40 watts peak. 8 ohms. 12x20x8".
B 5006 U. Shpg. wt. 20 lbs. 49.95

Value-packed 2-way 8" Speaker System

39⁹⁵

- Two speakers give wide response
- ¾" regal walnut veneer cabinet
- Hand-rubbed oiled walnut finish

Model 3004. This compact speaker system is the perfect choice for moderately-priced stereo systems. Offers excellent, well-balanced, wide-range reproduction. Features 8" woofer with huge 1¼-lb. Barium-Ferrite magnet structure for rich, full-bodied bass. 3½" direct-radiator tweeter with a ¾" voice coil and 5.4-oz. Alnico V magnet structure brings you thrilling highs without distortion. Crossover network separates the audio frequencies at 4000 Hz. Fiberglass insulation. Frequency response, 45-17,000 Hz. Power handling capacity, 30 watts peak. 8 ohms. 10½x20x5½".
B 5005 U. Shpg. wt. 13½ lbs. 39.95

Bargain hunter's 8" Speaker System

24⁹⁵

- 2-way design for wide response
- 1½-lb. magnet for good bass
- Fiberglass insulated cabinet

Model 3001. An unbeatable value . . . great for the budget-minded. Offers wide-response sound. Compact cabinet fits almost anywhere. Features 8" wide-range speaker with a 1½-lb. ceramic magnet coupled to a ¾" voice coil for a bass and treble response you would expect to find in speakers more than twice the price. Precision tuned ducted port prevents annoying resonance and provides "big-speaker" bass sound. Has rugged walnut wood-grained vinyl cabinet with beautifully sculptured molding, and cane grille cloth that provides a perfect match for walnut finish. Cabinet finish easily cleaned with mild detergent and damp cloth. Frequency response, 55 Hz to 14,500 Hz. Power handling capacity, 24 watts peak. 8 ohms. 9x20x5½".
B 5004 X. Shpg. wt. 10½ lbs. 24.95

Values in Allied® Speakers

Bookshelf Speaker Systems at extra-value prices



LIFETIME GUARANTEE. Allied Radio Shack Corp. guarantees **WITHOUT TIME LIMITATION** the proper electro-mechanical function of all Realistic® **OPTIMUS™** speaker Systems in original unopened factory cabinet enclosures, providing that the system has not been physically or electrically abused (our determination is final) and that the owner provides transportation to and from repair site. Your system must function properly or Allied Radio Shack will repair it **FREE OF PARTS AND LABOR COSTS**—today, tomorrow, forever. This guarantee is honored at all Allied Radio Shack stores from coast to coast, covering systems bought since December 31, 1966. Your receipt is all you need to obtain **LIFETIME** free service.

Realistic "Optimus-6" walnut wood high-performance end table speakers



119⁹⁵

Let us introduce you to the "Optimus-6". It resembles a high-fashion Mediterranean style end table, but is one of the best speaker systems available today at its price . . . and actually outperforms more expensive comparable speakers.

The "Optimus-6" is acoustically designed to reproduce the lowest "lows" with utmost fidelity and to give maximum dispersion of "highs", for sound that rivals the original performance. Extremely smooth 20-20,000 Hz response gives life-like sound to anything you play . . . whether it be thundering bass and high-treble classics, low bass and middle range mood music or jarring rock. The built-in electronic crossover delivers the correct frequencies to the proper speaker for crystal clear fidelity . . . divides system responses at mid and high frequencies for the smoothest possible sound.

This three-speaker system features a 10" woofer and two tweeters. The woofer has a husky ceramic magnet structure coupled to a large four-layer copper-wire voice coil for smooth peak-free bass you can actually feel. Sturdy wood enclosure a bass reflex type with precision tuned duct-port which permits deep, natural bass response down to 20 Hz. Specially designed 4½-in. cone tweeter with Alnico V magnet structure and large voice coil provides brilliant, sparkling treble response up to 20,000 Hz.

Classic octagonal column and circular top measures 23¾" H. by 19" dia. Minimum required input power: 10 watts. Impedance: 8 ohms. Furniture-finished walnut wood cabinet. It all adds to new dimensions in sound, usefulness and beauty.
40 B 1970 U. Shpg. wt. 40 lbs. Each 11

ir amazing Realistic "Optimus-3" features wrap-around E.S.P.†

LIFETIME GUARANTEE. Allied Radio Shack Corp. guarantees **WITH-OUT TIME LIMITATION** the proper electro-mechanical function of all Realistic® OPTIMUS™ Speaker Systems in original unopened factory cabinet enclosures, providing that the system has not been physically or electrically abused (our determination is final) and that the owner provides transportation to and from repair site. Your system must function properly or Allied Radio Shack will repair it **FREE OF PARTS AND LABOR COSTS**—today, tomorrow, forever. This guarantee is honored at all Allied Radio Shack stores from coast to coast, covering systems bought since December 31, 1966. Your receipt is all you need to obtain **LIFETIME** free service.



149⁹⁵

nd close to the "Optimus-3" or comfortably relax farther
y... it really doesn't matter. Because wherever you happen
e in the room, you'll be astounded by it's fidelity and wrap-
und stereo all made possible by E.S.P.—exclusive Allied
io Shack concept of Equalized Stereo Perception.†

h E.S.P., the "Optimus-3" closes the sound gap conventional
akers and the omnidirectional variety just can't fill. Stereo
now be perceived from every position in a room—no matter
t the shape of the room or where you place the speakers.
It's simply accomplished by using a rear panel switch to
trol either of two side 3" high-compliance tweeters while a
t tweeter plays continuously. This unique speaker system
s one 12" brass voice-coil woofer and three 3" high-com-
e tweeters.

Ultra-smooth frequency response of 20-20,000 Hz at the lowest
distortion we have ever measured, so you can hear deep, reso-
nant bass at low volume and high pitched treble notes at any
volume. LCR cross-over network delivers the correct frequencies
to the proper speaker—divides system responses at mid and
high frequencies. Sealed fine-furniture cabinet prevents annoy-
ing, strident sound due to intermodulation with the woofer.
Three delicate hand-made wood grilles.

Variable tweeter level control so you control the input to the
two side tweeters; bass compensation switch, and sound direc-
tion pattern switch to get the best acoustics possible in any size
and shape room. Impedance: 8 ohms. Input: 25 watts minimum,
100 watts maximum. Size 29x24 1/4x13".

40 B 2001 Z. Shpg. wt. 75 lbs. Each **149.95**

LIFETIME GUARANTEE

Allied Radio Shack Corp. guarantees *without time limitation* the proper electro-mechanical function of all Realistic® OPTIMUSTM Speaker Systems in original unopened cabinet, providing that the System has not been physically or electrically abused (our determination is final) and that the owner provides transportation to and from repair site. Your system must function properly or we will repair it *free of parts and labor costs*. This guarantee is honored at all Allied Radio Shack stores, covering systems bought since December 31, 1966. Your receipt is all you need for lifetime free service.

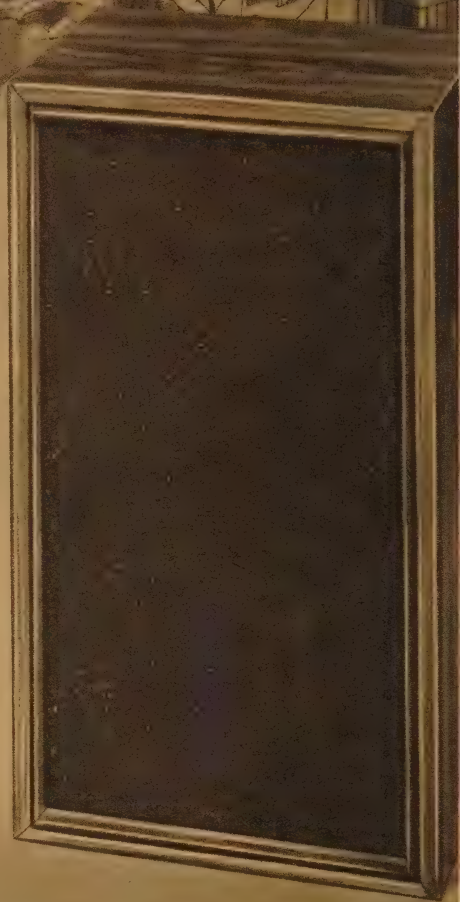


Realistic Optimus® Speaker System housed in a richly crafted "sit-upon" walnut enclosure

89⁹⁵

- Full-range "Optimus" sound with two special tweeters
- Perfect height for an extra seat

Optimus-4. Unique compact system is designed to be seen as well as heard! Combines the engineering excellence of the Realistic "Optimus" sound system with fine furniture-making skills. Use it as an attractive extra seating space. Has removable black vinyl-covered cushion. Beautifully crafted of oiled walnut with unusual grillwork on all four sides—a truly handsome addition to most decorating schemes. Boasts full-range natural sound despite its space-saving dimensions. The bright, clean response has been enhanced by placing two tweeters on adjacent sides of the enclosure to retain maximum stereo separation throughout any room... you can place this speaker system anywhere for wide-dispersion sound. Frequency response is a smooth 20-20,000 Hz. Minimum required input power is 10 watts per channel. Impedance, 8 ohms. Size, 14½" sq. x 19" high. **40 B 1974 U.** Shpg. wt. 30 lbs. **89.95**



NEW FOR '71! Realistic 4-element bookshelf size acoustic-suspension Speaker System

99⁹⁵

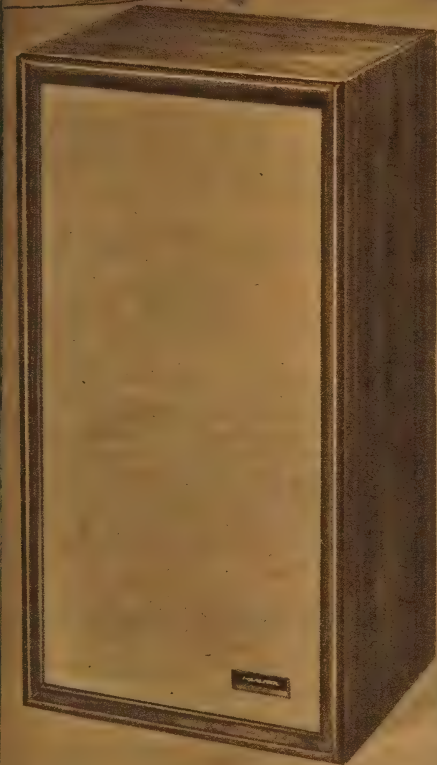
- Big 12" acoustic-suspension woofer and three tweeters
- Special crossover network

Optimus-5. Now meet the newest member of the famous Optimus family of fine sound. Specially engineered by Allied Radio Shack to provide the ultimate in smooth, wide-range response from a compact enclosure for bookshelf or floor placement. Features four elements—a massive 12" acoustic-suspension woofer and three high compliance 3" tweeters—to produce clean, smooth sound you would expect only from a far larger costlier speaker system. A unique crossover network allows three tweeters to reproduce mid-range—two reproduce mid-highs and only one the extreme highs for maximum hi-fi dispersion. Also includes variable controls for middle and response compensation. Minimum required input power is 10 watts per channel. Response, 20-20,000 Hz. Impedance, 8 ohms. Sealed, oiled walnut cabinet measures 25x14x11 ½". **40 B 2002 U.** Shpg. wt. 38 lbs.



LIFETIME GUARANTEE

Allied Radio Shack Corp. guarantees *without time limitation* the proper electro-mechanical function of Realistic® OPTIMUS™ and ELECTROSTAT® Speaker Systems in original unopened cabinet, providing that the System has not been physically or electrically abused (our determination is final) and that the owner provides transportation to and from repair site. Your system must function properly or we will repair it *free of parts and labor costs*. This guarantee is honored at all Allied Radio Shack stores, covering systems bought since December 31, 1966. Your receipt is all you need for *lifetime free service*.



One of the finest values ever! Realistic acoustic-suspension 2-way 3-element System

79⁹⁵

- Matches performance of speakers costing \$45 to \$90 more
- Offers full acoustic response

Optimus-1. Worth much more than its low price tag of \$79.95. Product of two years of research and development, "Optimus-1" has been designed around acoustic principles that give the most "listenable" sound imaginable. So accurate you get full bandwidth performance at all frequencies: low, mid, and every point between. So efficient it will operate with a watt-per-channel amplifier. You get genuine "lows"—not monics; extremely smooth midrange; widely dispersed highs with no "Beaming" effect. This deluxe system even includes a special 3-way high-frequency switch to compensate for individual room acoustics. Here is a speaker system with the natural, unforced sound of "the expensive ones" costing \$45 to \$90 or more. In fact, we think this is the finest speaker system value ever offered at any price! Walnut. 8 ohms. 23x12x11 1/2".

1969 U. Shpg. wt. 33 lbs. **79.95**

Realistic electrostatic Speaker System has 4 tweeter elements and bass-energized woofer

66⁰⁰

- Four electrostatic tweeters
- Response from 45-25,000 Hz
- Electrical crossover network

Electrostat 2a. Four electrostatic tweeter elements, a newly designed bass-energized woofer and variable high frequency control make this famous system a really astounding value! Nobody but Allied Radio Shack has been able to build a true electrostatic speaker system at this amazing low price. Awarded best-of-its-class honors by reputable magazine critics, the Electrostat 2a now has vastly improved low frequency response—boasts a solid 45 Hz for resounding bass, plus a control to return it to Model-2 bass characteristics if you already own one of the original systems. Its famous "singing highs" have never been surpassed at any price under \$150. Electrical crossovers divide frequency response for maximum full-range sound. Requires amplifier rated over 12 full watts per channel. Impedance, 8 ohms. Walnut enclosure, 22 1/2 x 13 1/2 x 12".

40 B 288 U. Shpg. wt. 28 lbs. **66.00**

Buy now on our convenient Credit Fund plan

Realistic Speakers offer you more sound per dollar

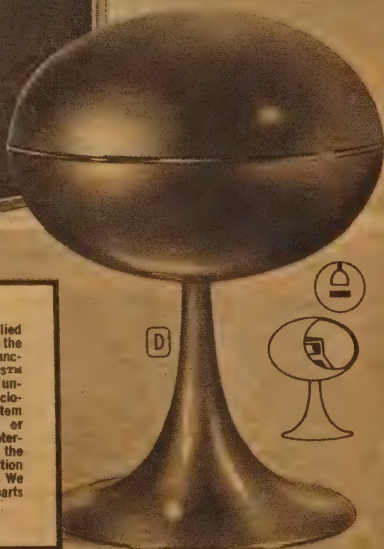
You get big speaker performance from ultra-compact enclosures



SEE BELOW
FOR GUARANTEE

MC-1000 COVERED BY
5-YEAR GUARANTEE

LIFETIME GUARANTEE—Allied Radio Shack Corp. guarantees the proper electro-mechanical function of all Realistic® Minimus™ Speaker Systems in original unopened factory cabinet enclosures providing that the System has not been physically or electrically abused (our determination is final) and that the owner provides transportation to and from repair site. We will repair system free of parts and labor.



A Minimus-2 acoustic-suspension System

42⁹⁵
Each

79⁹⁵ Fiberglass
Pair filled
enclosure

Space-saving system features a special 6" acoustic suspension woofer that provides unrestricted excursion never before possible in a speaker this size. Low frequency crossover between woofer and tweeter insures wider range, cleaner sound. Internal room equalizer offers a choice of tweeter levels to compensate for room acoustics. Easy installation with RCA jack and screw terminals. Requires amplifier rated 10 watts or more. 20-20,000 Hz. Walnut enclosure. 8 ohms. 14x7x8".
40 B 1968 X. Shpg. wt. 9½ lbs. Each
When you order two Pair

B Minimus-1 small, but mighty System

32⁹⁵
Each

59⁹⁵ Air-sealed
Pair walnut
enclosure

Challenges speakers many times its size. Produces bright, vivid highs, clear mid-ranges and lows with the realism you would expect only from costlier speakers. Acoustical compensation lets you tailor sound for individual room acoustics. Offers uniform response from 20,000 Hz. Accepts 15 watts program material; 25 maximum. Impedance, 8 ohms. RCA jack or screw terminal connections. Buy an electrically matched full-range pair and save! Oiled walnut enclosure. 10½x5½x8".
40 B 1966 X. Shpg. wt. 7½ lbs. Each
When you order two Pair

C Two-way bookshelf Speaker System

50⁰⁰
Each

- 8" acoustic-suspension woofer
- Full-range frequency response
- Elegant oiled walnut cabinet

MC-1000. Here's a full-fidelity speaker system that delivers all the honest-to-goodness sound you'd expect from speakers costing \$30 to \$50 more! Boasts an acoustic suspension 8" woofer with heavy magnet for thunderous bass response; 3" wide-dispersion tweeter for sparkling treble. Delivers enough power for high volume listening, yet is sensitive enough to reproduce "lows." Frequency response, 30-20,000 Hz. Impedance, 8 ohms. Housed in a furniture-quality walnut enclosure. Can be placed horizontally or vertically. 17½x8½x10".
40 B 1980 X. Shpg. wt. 20 lbs.

D Omnidirectional Speaker System

19⁹⁵
Each

- Sound is reflected in a 360° pattern anywhere you place
- For bookshelves, tables, walls

Futura. The sound of the future, here today! All these speakers give superb stereo throughout any room. Custom-designed spun aluminum base evenly distributes high frequency sound in a full 360° pattern. Can be placed on table or desk top or hung on wall or ceiling for wide range sound. Acoustic-suspension design with a rare 10,000 Gauss magnet. Bass response is enhanced by a 10-track equalizer. Hole for flush mounting on wall. Includes 24' cable with phono plugs for easy attachment to receiver. Impedance, 8 ohms. Only 9½x6½x4".
40 B 1975 X. Shpg. wt. 10 lbs.

Sound bargains! Budget-pleasing Realistic Speakers

The "little" speakers with the big sound . . ideal wherever space is limited

A Wide-range 2-way Speaker System

woofers deliver deep bass
tweeter for bright highs
professional crossover network

47⁵⁰
Each

3A. Improved and advanced version of top-rated 3 system. Superior 8" woofer delivers rich, full-ranged bass response. Reproduces dramatic highs through 3" high-compliance Optimus series tweeter. You get effortless, full-spectrum sound that is enhanced by a built-in crossover network. Capacity, 12 watts. 7,000 Hz. 8 ohms. Walnut. 22 1/2"x13x11 1/2".

451 X. Shpg. wt. 25 lbs. 47.50

Mini-size acoustic-suspension system

provides unrestricted cone excursion in a 4" speaker
response from 30-17,000 Hz

15⁹⁵
Each

103. Never before such impressive sound from so small an enclosure. Acoustic-suspension cone has soft, flexible cloth surround for unrestricted excursion. Mass-speaker magnet develops over 10,000 gauss. 15 watts of power. Response, 30-17,000 Hz. Impedance, 8 ohms. Hand rubbed oiled walnut enclosure. 9 3/4"x8x6 5/8".

103 X. Shpg. wt. 7 lbs. 15.95

Trend-setting Compact Speaker System

perfect "add-on" to your existing music system
heavy-duty walnut cabinet

22⁰⁰
Each

1. Smaller than a breadbox—yet challenges speakers many times its size, costing many dollars more. Features high-compliance coaxial whizzer/woofer in a 1/2" horn resonator. Has tuned, vented duct-type enclosure of laminated 1/2" walnut construction. Response, 4,000 Hz. 10 watts. 8 ohms. 11x14 1/2"x10 1/2".

253 X. Shpg. wt. 12 lbs. 22.00

Sub-compact tabletop Speaker System

real extension speaker for radios, recorders
oiled walnut enclosure

9⁹⁵
Each

Minimus 0.5. So small it fits anywhere, so efficient any transistor radio or cassette recorder will power it. Maximum 10 watts music power. 8 ohms. Phono jack for plug-in connection and screw terminals. 6 1/4"x4 1/4"x4 1/4".

1995 X. Shpg. wt. 3 lbs. 9.95

2444. 6' Patchcord. Connects Minimus 0.5 to earphone output of radio or recorder (mini plug). 2 oz. 99¢

Top-selling bookshelf Speaker System

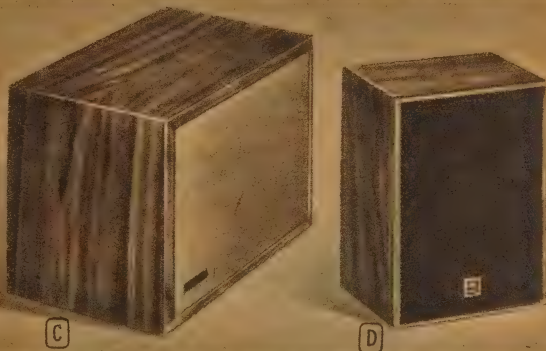
use wherever space is limited
walnut enclosure takes no more room than a few books

12⁹⁵
Each

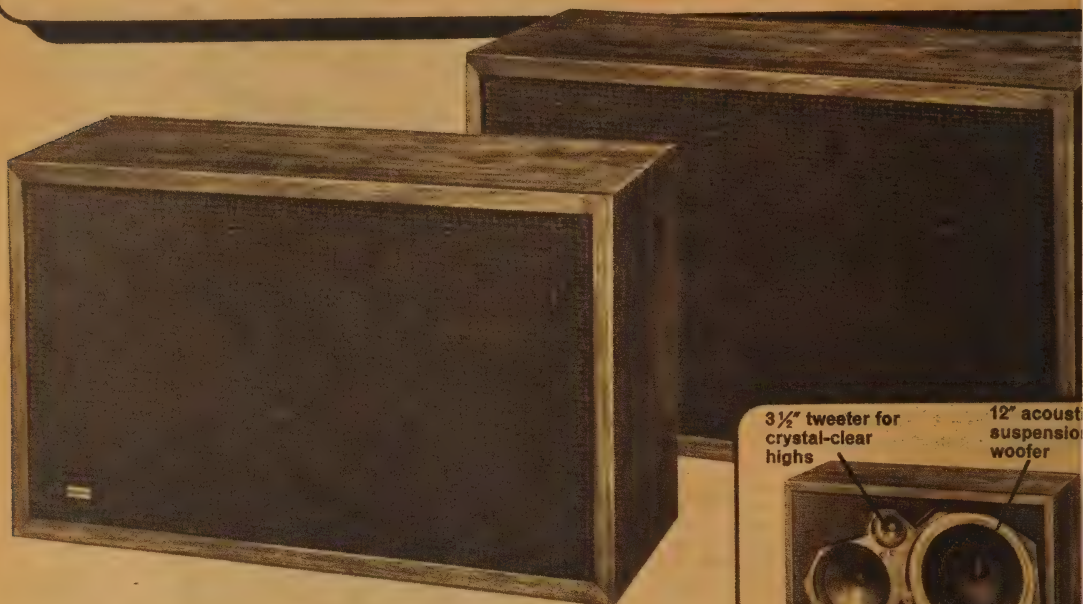
4. Offers premium quality sound for the budget-minded young marrieds, students or music hobbyists. 100-12,000 Hz range. Rear-loaded reflex type enclosure pours out startling "big speaker" sound. Impedance, 8 ohms. Furniture-finished in rubbed walnut. 6 1/2"x15 1/2"x7 1/2".

2000 X. Shpg. wt. 6 lbs. 12.95

5-YEAR GUARANTEE
—Allied Radio Shack Corp. guarantees the proper electro-mechanical function of all Realistic® Solo T-14 Speaker Systems in original un-opened cabinet enclosures, providing that the system has not been abused (our determination is final) and that the owner provides transportation to and from the authorized repair site. Guarantee honored at all Allied Radio Shack Stores.



Hi-fi spectacular! . . a pair of best-selling 3-way 12" *acoustic-suspension* Speaker Systems by Utah



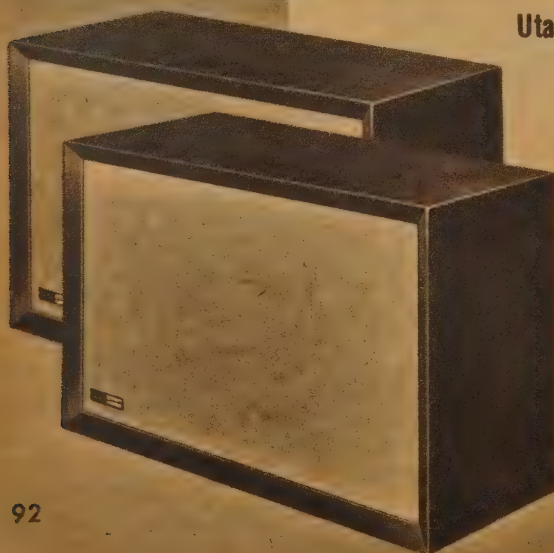
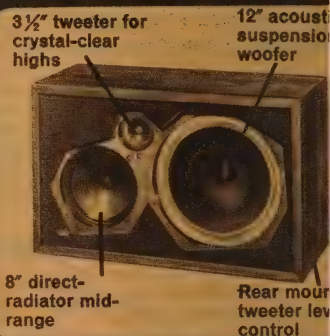
One System
89⁹⁵

Two Systems
90⁹⁵

Model WD-90. An unbeatable value! Get two of these three-way 12" high-fidelity speaker systems for less than \$46 each! Big 12" woofer with powerful magnet structure coupled to 1½" copper voice coil delivers bass notes down to 35 Hz, and assures maximum sound per watt. Amplifiers as low as 10 or 12 watts-per channel drive this model easily. Direct-radiator 8" midrange speaker reproduces clear mid-frequencies. 3½" tweeter provides crisp treble to 18,000 Hz. Built-in crossovers at 2200 and

5000 Hz for smooth response over the entire audio range mounted brilliance control adjusts the tweeter output to suit individual room acoustic or personal taste. Beautiful walnut veneer enclosure with fiberglass lining prevents unwanted resonance. Capacity, 30 watts (60 watts peak). 8 14x23x10".

40 B 6007 U. One System. Shpg. wt. 33 lbs.
Two Systems. Shpg. wt. 66 lbs.



Utah acoustic-suspension two-way 8" Speaker Systems

One System
49⁹⁵

Two Systems
50⁹⁵

Model AS-2. Here's a pair of premium-quality 8" speaker systems for less than \$26 each! Compact cabinet fits most anywhere while offering glorious hi-fi reproduction. Special 8" woofer with powerful magnet structure coupled to 1" voice coil for efficiency, and undistorted bass down to 40 Hz. Acoustic suspension type enclosure with fiberglass insulation prevents resonance. High-frequency 3½" tweeter with ¾" voice coil provides brilliant treble response all the way up to 18,000 Hz. Capacitor type crossover network divides audio response at 4500 Hz for full efficiency from each speaker. Impedance 16 ohms. Handsomely styled ¾" wood enclosure has oiled veneer finish. 11x18x9". Shpg. wt. 22 lbs.

40 B 6008 U. One Speaker System.
Two Speaker Systems. Shpg. wt. 44 lbs.

Electro-Voice bookshelf and floor Speaker Systems

-V's best three-way 12" System features acoustic suspension for full-range sound

Model E-V Four A. Deluxe three-way system features 12" woofer with a hefty 10-lb. magnet structure. Closed-cell polymer foam surround allows long, linear cone excursions. Isolated 6" midrange with half-roll surround for smooth, flat response. Specially-designed 2½" viscous-damped cone tweeter brings you brilliant highs with wide, even dispersion without beaming. Crossover employs high-Q inductors for high efficiency. Separate level controls for midrange and tweeter. Frequency response, 30-20,000 Hz. Peak power handling capacity, 60 watts, 8 ohms. Walnut. 14x25x13½".

B 6035 Z. Shpg. wt. 55 lbs. **199.95**

199⁹⁵

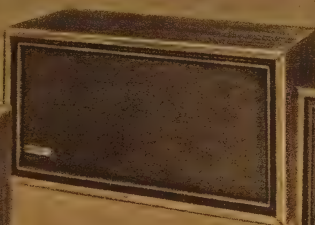


34⁹⁵

Ultra-compact two-way 6" System fits small spaces

Model E-V Eleven. Fine-tuning two-way system really economizes on space and your budget. Features an enclosure that is resonance-treated to a specially designed two-way speaker. Two coaxial lines, operating from a single voice coil, divide the audio spectrum for natural hi-fi sound. Power handling capacity, 25 watts peak. Impedance, 8 ohms. Has walnut veneer coating for lasting beauty. Measures 8½x15½x6½".

B 6160 X. 12 lbs. **34.95**



62⁹⁵

Compact two-way 8" System with unique cone damping

Model E-V Seven B. Specially designed high-compliance 8" woofer delivers exceptionally low bass without a trace of audible distortion. 3½" cone tweeter employs unique symmetrical cone damping to ensure silky-smooth, thrilling highs. Tweeter control lets you adjust highs to suit your taste. Electrical crossover at 2000 Hz. Response, 50-20,000 Hz. Capacity, 50 watts peak. Impedance, 8 ohms. Oiled walnut veneer. 10x19x8½".

40 B 6034 U. 19 lbs. **62.95**



99⁹⁵

Two-way 10" System with acoustic-suspension

Model E-V Five C. Features acoustic-suspension for true high-fidelity throughout the audio spectrum. Boasts 10" woofer with 4-layer voice coil for smooth, natural bass down to 30 Hz. Wide-dispersion 2½" tweeter provides clear, shimmering highs up to 20,000 Hz. Has tweeter level control. Power handling capacity, 60 watts peak. Impedance, 8 ohms. Handsome oiled walnut veneer enclosure. Bookshelf size, 12½x21½x10½".

40 B 6032 U. 31 lbs. **99.95**



139⁹⁵

Three-way 10" System with acoustic-suspension

Model E-V Nine. Beautifully designed speaker system features big 10" woofer with 4-layer voice coil for powerful bass. 5" midrange for important middle frequencies and an isolated 3½" wide-dispersion tweeter that provides clear, clean highs. Has tweeter level control. Frequency response, 30-20,000 Hz. Power handling capacity, 60 watts peak. Impedance, 8 ohms. Handsome walnut veneer finish. Measures 13½x24x11½".

40 B 6033 U. 31 lbs. **139.95**

"Aries" deluxe decorator-styled three-way floor Speaker Systems

"Spanish Oak." Fine furniture three-way floor system finished in beautiful solids and veneers. Mediterranean oak trim across grille cloth. Features 12" woofer with 9½-lb. magnet structure for superlative bass response. Precision cone midrange. Wide-dispersion 2½" tweeter provides crisp, brilliant highs. Five-position level control. Response, 25-20,000 Hz. Capacity, 70 watts peak. Impedance, 8 ohms. 22½x27½x16½".

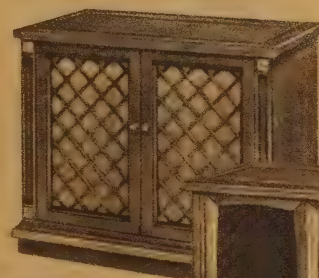
B 6036 Z. Shpg. wt. 74 lbs. **299.95**

"Traditional Cherry." As above, but crafted from elegant cherry solids and veneers. Has cross-graining cherry trim over grille.

B 6038 Z. Shpg. wt. 74 lbs. **299.95**

"Contemporary Pecan." As above, but offers clean, contemporary lines in luxurious pecan solids and veneers to suit modern tastes.

B 6037 Z. Shpg. wt. 74 lbs. **299.95**



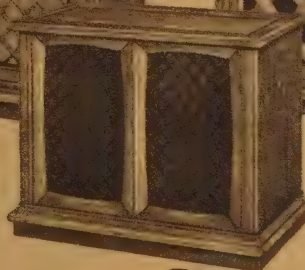
B



A



Woofer has 9½-lb. magnet structure



C

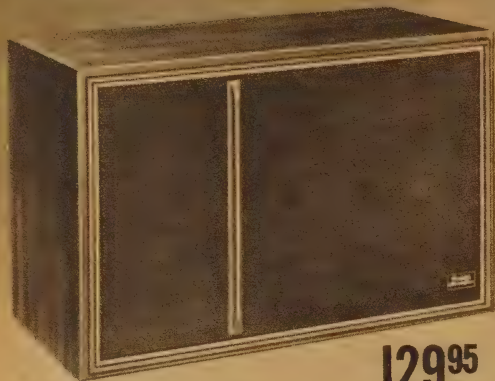
299⁹⁵

Each

SHIPPING NOTE: Items with suffix U, W or Z in stock no. sent truck or express. See Ordering Information pages.

Wharfedale Speaker Systems offer superb sound reproduction

NEW! Improved model... 3-way 12½" acoustic-suspension Speaker System



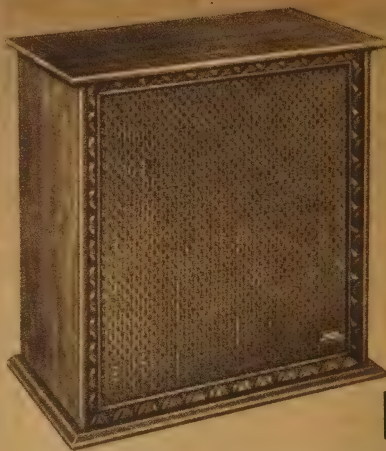
129⁹⁵

Model W-60E. Popular best-seller redesigned for improved wide-frequency range, low distortion, and precise musical balance. Powerful 12½" woofer has molded one-piece cone with high excursion neoprene surround and massive 9½-lb. magnet assembly. Acoustically-isolated 5" midrange in non-reflecting cylindrical chamber has high-compliance suspension with four-layer voice coil to provide greater power-handling, smoother uninterrupted response.

Domed 1" mylar super tweeter has phase compensating diffuser and extra-heavy magnet for distortion-free dispersion of treble tones. Response, 30-20,000 Hz. Power capacity, 40 watts. Impedance, 4-8 ohms. Oiled walnut enclosure, 15x24x12". Operates vertically or horizontally. Snap-out grille cover.

40 B 6039 Z. Shpg. wt. 55 lbs. **129.95**

Three-way 15" Floor Speaker System



NEW!

Richer bass with 15" woofer, 10½-lb. magnet assembly

Unitized cabinet construction eliminates noise and resonance

189⁵⁰

Model W-70E. Luxurious acoustic-suspension floor system now has increased bass response with big 15" long-throw woofer and massive 10½ lb. magnet assembly. Special 5" midrange unit, in a separate cylindrical chamber, has high compliance suspension and larger power capacity. One-inch Mylar dome omnidirectional super tweeter has compensating diffuser to reduce phase distortion, and extra-heavy magnet to properly balance and match the other powerful components.

Unitized cabinet construction eliminates spurious resonance and noises. Response, 25 to 20,000 Hz. Impedance 4-8 ohms. Power capacity, 50 watts. Oiled walnut enclosure has decorative trim, may be used as end table. Magnetic snap-out grille assembly. Size, 24x22½x13½".

40 B 6040 Z. Shpg. wt. 72 lbs. **189.50**

NEW! Deluxe acoustic-suspension 3-way 10" shelf Speaker System



99⁵⁰

Delivers deep bass without distortion

Model W-45. All-new three-way system offers greater clarity, natural wide-range sound. Heavy-duty 10" woofer with oversized 4-layer voice coil and long-travel cone provides rich bass response. Acoustically isolated 3½" midrange for clear middle frequencies; low-mass ultra-curvilinear tweeter for wide-angle dispersion and thrilling treble. Unitized construction assures airtight seal. Response, 30 to 18,500 Hz. Power capacity, 40 watts. Impedance, 4-8 ohms. Oiled walnut enclosure, 12x22x10". Snap-out grille cover.

40 B 6041 U. Shpg. wt. 37 lbs. **99.50**



69⁷⁵

NEW! Corner-design 8" three-way System

Model W-35. Shaped for corner positioning on floor, or shelf or wall mounting. Highly articulate speaker offers spacious sound-quality, outstanding bass response from heavy-duty 8" woofer. 3½" midrange, 2½" ultra-curvilinear tweeter for excellent mid-frequency response, wide-treble dispersion. New, unitized construction eliminates use of nails, screws or cleats. Response, 35 to 18,500 Hz. Impedance, 8 ohms. Power capacity, 40 watts. Oiled walnut enclosure, 15x15x8". Snap-out grille cover.

40 B 6042 U. Shpg. wt. 24 lbs. **69.75**

NEW! Compact two-way with acoustic suspension



49⁹⁵

8" woofer features oversized voice coil

Model W-25. Small size and price, big on performance! Powerful 8" woofer has four-layer oversized voice coil for greater heat dissipation. Long-travel cone assembly provides distortion-free bass. Ultra-curvilinear tweeter has mass aluminum voice coil for smooth wide-angle dispersion, crystal-clear treble. Frequency response, 35 to 18,500 Hz. Impedance, 8 ohms. Power handling capacity, 35 watts. Oiled walnut enclosure uses new unitized construction, provides airtight seal. Size, 15½x8". Snap-out grille cover.

40 B 6046 X. Shpg. wt. 14 lbs. **49.95**

Wharfedale Variflex® 12½" 4-way Speaker System with reflective disc

269⁹⁵

- Adjustable stereo separation
- 4-way design for full-range sound
- Handles full 80 watts of power

Model W-80. Now you can truly match your room acoustics with this innovation in stereo sound reproduction. A special adjustable reflector disc lets you aim the mid and treble frequencies to any angle needed for any room design. Disc is situated so that both reflection and deflection can be achieved, sending the sound waves in any desired direction, no matter how far apart the speakers are from each other. Reflect the sound when room acoustics require narrow dispersion . . . deflect the sound for wide dispersion.

Each speaker has four-way design to assure superb reproduction of all frequency ranges. Heavy-duty 12½" woofer has massive 9½-lb. magnet assembly. Acoustically isolated 5" cone for smooth midrange. Sub-treble tweeter and 1" high treble Mylar dome tweeter with phase compensating diffuser. Full-range response from 20 Hz to beyond audible range.

Speakers can be paired together on a single-cabinet base or apart on individual bases with mounted casters. Capacity, 80 watts. Impedance, 4-8 ohms. Finish: Furniture oiled-walnut enclosure, 17x17½x29".

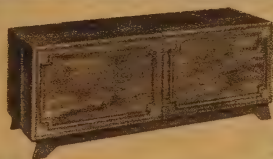
0 B 6043 Z. Shpg. wt. 85 lbs. 269.95

0 B 6044 X. B-68 Walnut Base. Holds 2 systems. Shpg. wt. 9 lbs. 21.90

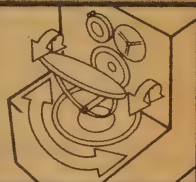
0 B 6045 X. B-69 Roll-out Base. Holds 1 system. Shpg. wt. 6 lbs. 15.75



Shown on Roll-Out Base (far right) and Console Base, both optional



Special variplanular 10-inch disc tilts in any direction to reflect or deflect sound . . . actually lets you tailor the music to your room acoustics



Fisher Hi-Fi Speaker Systems for spectacular sound reproduction

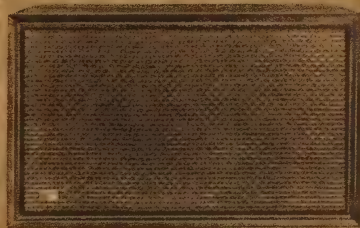
**Super-powerful 15" 4-way
Shelf Speaker System**

**Deluxe 12" 4-way System with
5 speakers, extra sound-power**



999⁹⁵ **NEW**
**Big-sound 4-way System
with two 12" woofers**

Model XP-15C. Expanded-range floor speaker in Mediterranean style cabinet. Power-structured 5-speaker system includes two 12" acoustic suspension woofers for deeper, majestic bass; large midrange; 1½" dispersion tweeter and 1" super-tweeter for shining trebles. Has midrange and tweeter controls. Response 1-24,000 Hz. Capacity, 60 watts, 120 peak ohms. Pecan finish. 27½x31½x19½".
0 B 6027 Z. Shpg. wt. 90 lbs. 199.95



199⁹⁵ **Formidable 5-speaker
system in a deluxe
shelf-size enclosure**

Model XP-9C. Powerful 4-way compact has 15" ultra-compliant woofer with 2½" voice coil, massive 12 lb. magnet structure for rich bass response. Two matched 5" midrange drivers, 1½" dome tweeter and 1½" super-tweeter. Three-position treble balance control. Response, 28-22,000 Hz. Power capacity, 60 watts. Imp. 8 ohms. Walnut veneer. 16½x27½x13".
40 B 6029 U. Shpg. wt. 60 lbs. . . . 199.95



149⁹⁵ **Acoustic suspension
woofer . . two extended-
bandwidth tweeters**

Model XP-7B. Grouping of 5 perfectly matched speakers provides outstanding performance. 12" woofer with 6 lb. magnet structure offers dramatic bass. Lower and upper 5½" midranges. Two 3" wide-dispersion tweeters for thrilling treble. 3-position treble balance control. Response, 30-20,000 Hz. Capacity, 50 watts. Impedance, 8 ohms. Walnut veneer, 24½x14x11½".
40 B 6028 U. Wt. 47 lbs. 149.95

For the best and newest in Speaker Systems . . order from Allied Radio Shack

Fisher fine-quality Speaker Systems at value prices

ALLIED
50th
ANNIVERSARY
★ SPECIAL ★

Special Purchase! Save now on powerful Fisher System

**Spectacular value on this high-efficiency
three-way 12" System with four speakers!**



Cut
\$30.00
109⁹⁵

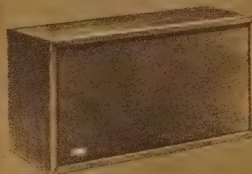
Model XP-7. Was \$139.95. Order now for big \$30.00 savings on this famous system by Fisher! Features four perfectly matched speakers for life-like sound across the full audio range. Contains a massively-built 12" free-piston woofer with big 5½-lb. magnet structure for resounding bass down to 30 Hz. Two 5" mid-range units for full-bodied mid-frequency tones. Soft-dome tweeter easily handles highs to beyond the audible range. Crossovers divide system response at 300 and 2500 Hz. Response, 30-20,000 Hz. Capacity, 50 watts. 8 ohms. Oiled walnut finish. Size, 14x24½x12".
40 B 6019 U. Shpg. wt. 47 lbs. 109.95



99⁹⁵ **Bookshelf 12"**
3-way System



79⁹⁵ **Deluxe 10"**
2-way System



49⁹⁵ **Compact 8"**
2-way System



44⁵⁰ **Low-priced**
2-way System

Model XP-66B. For those who want high quality at moderate cost. Premium components and crossover network deliver smooth, balanced sound. High-compliance free-piston 12" woofer with 2-lb. magnet structure delivers uncolored bass down to 32 Hz.

Isolated 5" midrange. Wide-dispersion 3" cone tweeter for crisp highs to 20,000 Hz. Frequency separation at 500 and 1,000 Hz. Capacity, 10-40 watts. 8 ohms. Walnut finish. 13½x24½x12". Shpg. wt. 40 lbs.

40 B 6020 U. 99.95

Model XP-60B. Famous Fisher quality at a surprisingly low price. Delivers high-quality sound reproduction. Features a massive 10" free-piston woofer with 2-lb. magnet structure for smooth, powerful bass response.

The 3" tweeter has low-mass cone and high internal damping for pure highs, clear mid-range. Response, 35-20,000 Hz. Capacity, 10-30 watts. Impedance, 8 ohms. Oiled walnut finish enclosure. Size, 13x23x10". Shpg. wt. 30 lbs.

40 B 6021 U. 79.95

Model XP-55B. Extra compact bookshelf size, yet delivers impressive full-range sound. 8" woofer has 2-lb. magnet structure and a special suspension system that achieves extra-wide excursion. 3" treble with low-mass cone for peak-free response to 20,000 Hz.

Completely enclosed baffle is damped with Acoustiglas packing for fundamental bass response down to 37 Hz. Capacity, 10-30 watts. 8 ohms. 10x20x7½". Oiled walnut. Shpg. wt. 18 lbs.

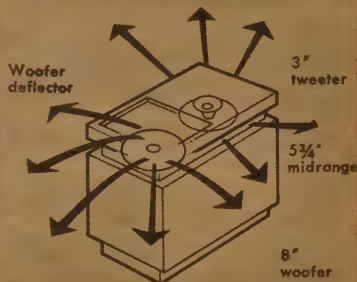
40 B 6022 U. 49.95

Model XP-44B. Delivers smooth, effortless sound quality from a very small enclosure. A pair of these systems is only as much space as a book. 6" free-piston woofer with heavy 2-lb. magnet structure and 1" voice coil delivers smooth bass down to 39 Hz.

Low-mass 2½" treble speaker delivers pure, sparkling highs up to 19,000 Hz. Dispersion sound evenly. Power capacity, 10-25 watts. 8 ohms. Walnut enclosure. 8½x16½". Shpg. wt. 15 lbs.

40 B 6018 X. 44.50

New Fisher omni-directional 3-way Speaker System



99⁹⁵ **Designed to disperse
balanced stereo sound
in all directions**

Model WS-80. New at Allied! Fisher's directional floor system featuring 8" woofer with slot-loading deflector for full 360° dispersion. 5¼" midrange directs sound mid-frequencies through top and side enclosure. 3" tweeter sends pure high ward and around cabinet. Two-point level control. 35-20,000 Hz. Capacity, 15-30 watts. 8 ohms. Walnut. 18½x18x11".

40 B 6024 U. Shpg. wt. 24 lbs. 99.95

40 B 6025 U. Model WS-70. 2-way system similar to above has 6" woofer, 3" tweeter. 15½x9½x16½". Shpg. wt. 16 lbs. 79.95

Stop! Look! Speaker Systems for great listening!

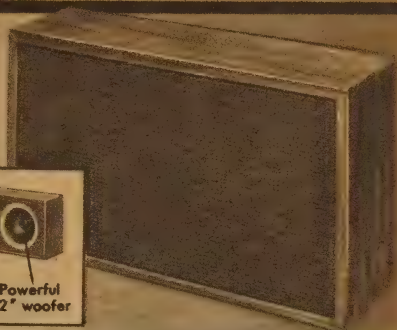
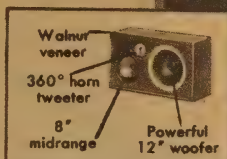
SPECIAL-PURCHASE CLOSEOUT!

Utah 3-way 12" acoustic-suspension System

Model A-501. Great value in a full-size 12" acoustic-suspension model. Woofer provides exciting, natural-sounding bass. 8" direct-radiator midrange gives presence to all-important mid-frequencies. Compression horn tweeter provides wide-dispersion, thrilling highs for true audio realism. Level control permits adjustment to room acoustics and individual tastes. Crossover networks divide the audio spectrum at 2200 and 4500 Hz. Frequency response, 33-20,000 Hz. Power capacity, 30 watts. 60 watts peak. 8 ohms. Oiled walnut veneer. 14x24x10".

B 6001 U. Shpg. wt. 33 lbs. **64⁹⁵**

64⁹⁵



Utah A-511 Three-way 12" Speaker System. Features high-compliance 12" acoustic-suspension woofer that pours out deep, undistorted bass. Wide-dispersion 8" direct radiator midrange and horn-type tweeter. Response, 33-20,000 Hz. Capacity, 30 watts. Impedance, 8 ohms. Tweeter control. Oiled walnut cabinet, 14x23x10".

B 6002 U. Shpg. wt. 33 lbs. **109.95**

Utah WD-95 Three-way 12" System. Acoustic-suspension woofer provides smooth bass. 8" direct-radiator midrange. 3 1/2" tweeter (with control) provides sparkling highs. 15-18,500 Hz. Capacity, 30 watts, 60 watts peak. 8 ohms. Walnut. 14x23x10".

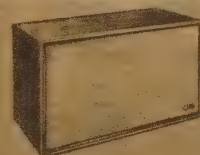
B 6003 U. Shpg. wt. 33 lbs. **99.95**

B 6004 U. Utah WD-80. Above, but 5" midrange. 35-17,000 Hz. 28 lbs. **89.95**

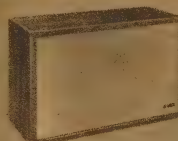
Utah OM-1 Omnidirectional Speaker System. Offers 360° sound-dispersion pattern. 8" cloth-roll acoustic-suspension woofer and coaxial high-efficiency 3" tweeter. 5-18,500 Hz. 12 watts, 24 watts peak. 8 ohms. Walnut finish. 14 1/2"x9 1/4"x9 3/4".

B 6005 X. Shpg. wt. 15 lbs. **69.95**

B 6006 X. Utah OM-2. Similar to above, except 35-19,000 Hz. Capacity, 16 watts, 32 watts peak. 16 1/2"x10 1/2"x10 1/2". Shpg. wt. 18 lbs. **89.95**



A 109⁹⁵



B 99⁹⁵



C 69⁹⁵

Empire three-way 15" Speaker System with imported marble top

299⁹⁵

Provides wide-angle dispersion regardless of room placement

Model 9000M. Hexagonally styled 3-way floor system has mass-loaded 15" woofer for deep, resonant bass; direct-radiator midrange; ultrasonic tweeter for startling highs. 20-20,000 Hz. 125 watts. 8 ohms. Level control. Walnut finish; marble top. 22" dia., 29" high.

40 B 6011 Z. Shpg. wt. 123 lbs. **299.95**

40 B 6012 Z. Model 7000M. Above, but 12" woofer. 75W. 19" dia., 26 1/2" hi. **199.95**



Empire wide dispersion three-way 10" floor Speaker System

99⁹⁵

Unique design delivers music to every corner of room

Model 6000W. 10" woofer for smooth bass. Direct radiator midrange and ultrasonic tweeter coupled to an acoustic lens for wide dispersion. Unique design reduces importance of placement for stereo separation. 30-20,000 Hz. 75 watts. 8 ohms. 18" dia., 24 3/4" high. 50 lbs.

40 B 6013 U. Walnut Finish Top. **99.95**

40 B 6014 U. Model 6000M. Above, but imported marble top. 60 lbs. **109.95**

Shown with marble top



Argos three-way 12" Speaker System

Model XL-600. Features a big 12" woofer for mellow bass response down to 35 Hz. Smooth-sounding 8" midrange. Wide dispersion horn tweeter. 35-18,000 Hz. 50W peak. 8 ohms. Walnut. 14 1/2"x25x9".

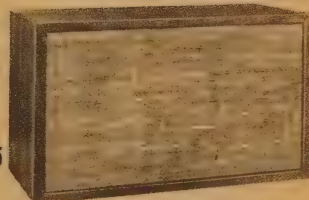
B 6015 U. Wt. 32 lbs. **89.95**



Goodmans acoustic-suspension 12" Speaker System

Model G-20. Massive 12" woofer reproduces stunning bass. 6" midrange has cloth suspension. 3 1/2" tweeter with brilliance control. 20-20,000 Hz. 20 watts peak. 8 ohms. Walnut. 14 3/4"x23 3/4"x11 1/4".

40 B 6016 U. Wt. 41 lbs. **99.95**



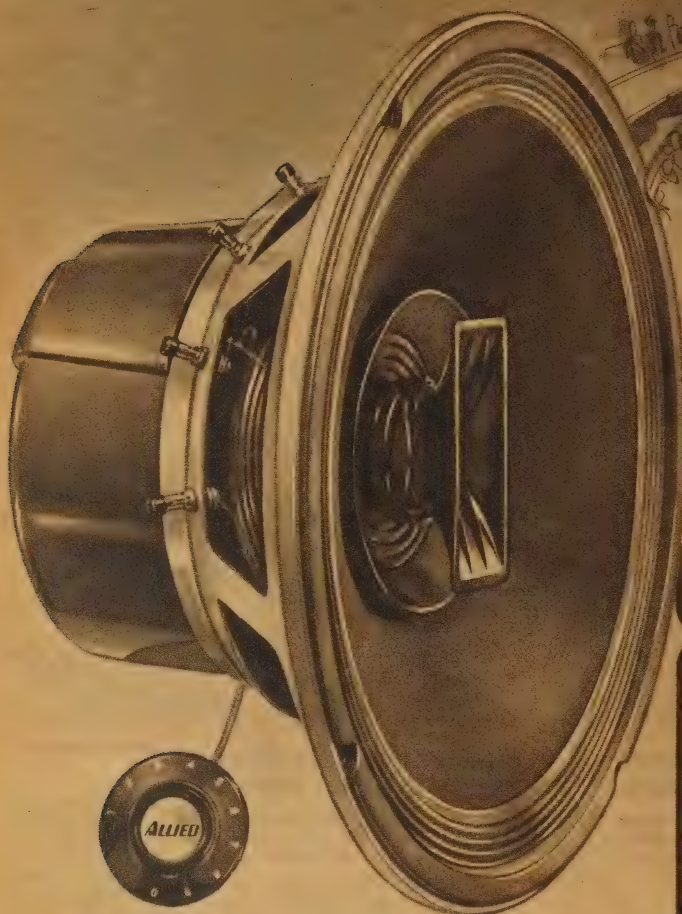
Dynaco high-capacity two-way 10" Speaker System

Model A-25. Non-resonant for low distortion. 10" woofer, dome tweeter with control. Capacity, better than 60 watts rms. 8 ohms. With wall brackets. Walnut. 11 1/2"x20x10".

40 B 6017 U. Shpg. wt. 22 lbs. **79.95**

79⁹⁵

When you listen to music through our best Allied



NO MONEY DOWN*

79⁹⁵

Powerful 9-lb.
magnet structure

Rigid cast
alloy frame

Compression-type
horn tweeter

2" copper
voice coil

Calibrated
high-frequency
level control

NEW! Allied's finest... 3-way design plus bass response that only a 15" Speaker can give you

Model 925HC. Allied's own speaker, designed for the perfectionist, but priced well below what you'd expect to pay. Compares with speakers used for monitoring in broadcast and recording studios. Its bass response is so deep, so powerful that you'll hear low-frequency notes some speakers hardly reproduce at all. You'll hear music as the composer intended for it to be heard, whether it's Bach or the Beatles. The giant 15" woofer is coupled to a massive 9-lb. magnet structure and 2" voice coil to bring you music stunning in its dramatic impact. You'll not only hear, but actually feel the powerful bass of the mighty pipe organ.

Mid-frequencies from 2000-3500 Hz are handled by the radax midrange cone with a clarity that will have everyone looking for an orchestra right in your home. Compression-type horn-loaded VHF tweeter gives you treble from 3500 Hz to beyond the range of human hearing. Full 70-watt peak power capacity handles even the loudest musical passages without distorting.

Moving elements are locked in permanent alignment by the heavy-duty cast alloy frame. A calibrated brilliance control permits adjustment of treble response to match the acoustics of your room. Built-in electrical crossover network divides the audio spectrum between woofer, midrange and tweeter. Convenient coded push-type binding terminals for fast, easy mounting and phasing. Mounting depth, 9 1/4".

40 B 5109 U. Shpg. wt. 30 lbs. **79.95**

SPECIFICATIONS

Free-Air Resonant Frequency: 33 Hz.

Frequency Response: 18 Hz to beyond audibility.

Crossover Frequencies: Mechanical at 2000 Hz; electrical at 3500 Hz.

Power Capacity: 35 watts, 70 watts peak.

Woofer: 15" high-compliance type; 9-lb. magnet structure with ceramic magnet; frequency response, 18 Hz to 2000 Hz.

Midrange: Cone-type Radax; frequency response, 2000 Hz to 3500 Hz.

Tweeter: VHF compression-type horn; 13-oz. structure with Alnico V magnet; response, 3500 Hz to beyond audibility.

Flux Density: 14,500 gauss.

Voice Coils: Woofer, 2" edge-wound copper; tweeter, 1" edge-wound aluminum.

Rated EIA Sensitivity: 50 dB.

Voice Coil Impedance: 8 ohms.

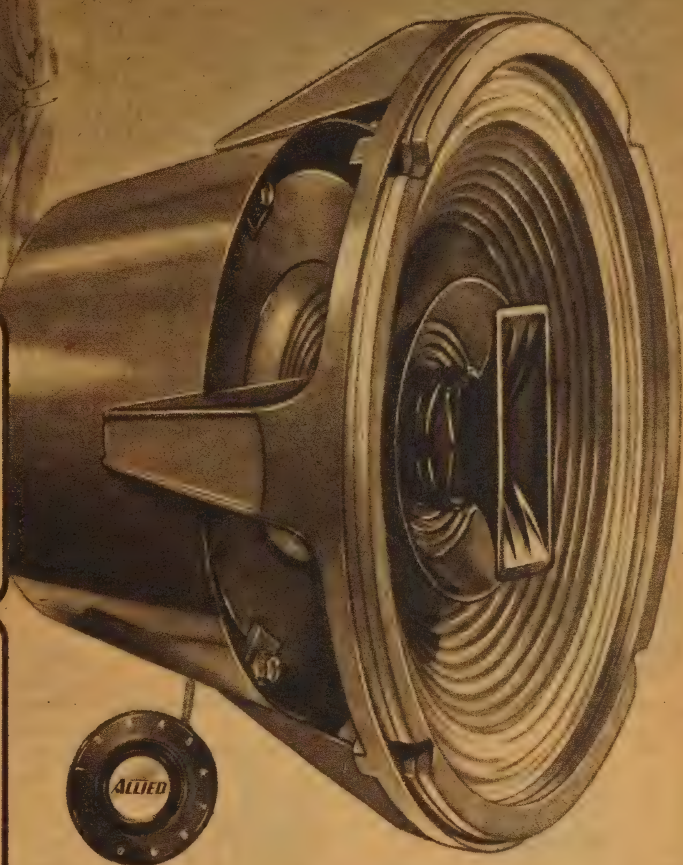
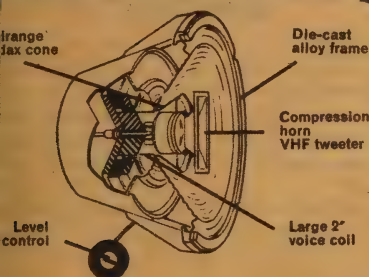
Control: tweeter brilliance.

Speakers you'll hear sounds you never heard before



NO MONEY DOWN*

69⁹⁵



SPECIFICATIONS

Speaker: 12" high-compliance type; 9-lb. structure with ceramic magnet; frequency response, 20 Hz to 20,000 Hz.
Frequency Response: 20 Hz to 20,000 Hz.
Crossover Frequencies: Mechanical at 2000 Hz; electrical at 6500 Hz.
Power Capacity: 35 watts, 70 watts peak.
Woofer: Cone-type Radax; frequency response, 20 Hz to 2000 Hz.
Tweeter: VHF compression-type horn; 13-oz. structure with Alnico V magnet; response, 6500 Hz to 20,000 Hz.
Flux Density: 14,500 gauss.
Voice Coils: Woofer, 2" edge-wound aluminum; tweeter, 1" edge-wound aluminum.
Standard EIA Sensitivity: 49 dB.
Voice Coil Impedance: 8 ohms.
Control: tweeter brilliance.

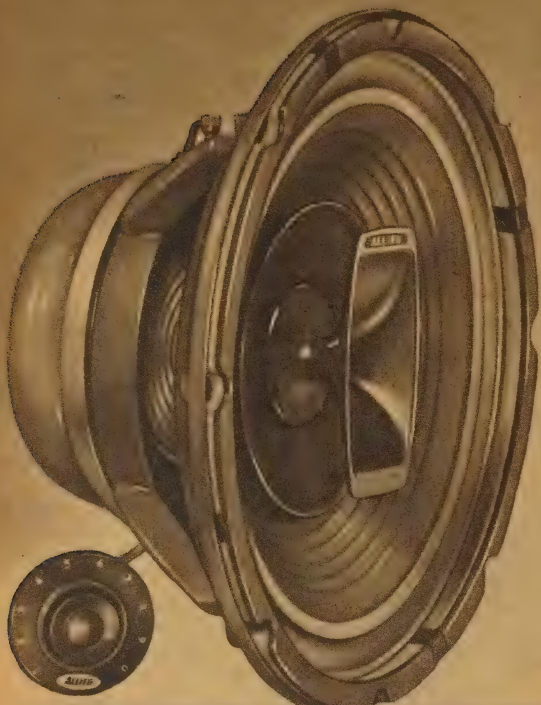
NEW! Our best Allied 12" model... heavy-duty 3-way design for exciting hi-fi realism

Model 922HC. Newly-designed and priced for extra value... an Allied special for serious listeners. Delivers excellent bass response, along with crisp, clear midrange and highs. Super-efficient 9-lb. magnet structure and 12" high-compliance woofer with unusually low resonant frequency, team up for outstanding bass (without booming) in any type of speaker enclosure. Both enclosure size, and type of loading are not critical for this deluxe speaker.

Midrange radax cone, with mechanical crossover at 2000 Hz, lends exceptional presence for dramatic realism. Electrical crossover channels frequencies above 6500 Hz to the compression-type VHF tweeter. Precision, 2" edgewise wound aluminum woofer voice coil and all other moving elements are locked in permanent alignment by the extra-rigid frame.

Calibrated brilliance control lets you precisely adjust output level of tweeter to allow for room acoustics. Convenient coded screw-type binding post terminals for quick connection to any amplifier or receiver; also simplifies phasing. Massive cast-alloy frame locks all moving elements in precise alignment for years of trouble-free enjoyment. Buy a pair for brilliant stereo hi-fi performance at a modest price. Mtg. depth, 7 1/2".
40 B 5108 U. Shpg. wt. 24 lbs. 69.95

NEW! Improved version of our greatest value in a 12" hi-fi Speaker . . . for the cost-conscious hi-fi buff

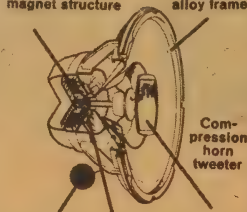


**NO DOWN
PAYMENT
REQUIRED***

49⁹⁵

5 1/2-lb. magnet structure

Die-cast alloy frame



Compression horn tweeter

Tweeter level control

1 1/2-inch voice coil

Allied's own 3-way 12" Speaker with hefty magnet structure for superb bass

Smooth overall frequency response from 25 Hz to 19,000 Hz assures excellent hi-fi performance characteristics in any good 12-inch speaker enclosure

Model 888BHC. Built to meet our hi-fi specifications, priced for extra value. Careful craftsmanship and components assure exceptionally clean and natural sounding music over a wide frequency range. Buy a pair of speakers for brilliant hi-fi stereo performance at a low price.

Heavy-duty 12-inch high-compliance woofer with 5 1/2 lb. magnet structure and 1 1/2" voice coil can provide excellent bass. Half-roll surround constructed of polyurethane foam closed-cell annulus provides excellent response and low distortion. Axially-mounted cone radiates middle frequencies from 2000 Hz to 10,000 Hz for superb realism. Compression type horn-loaded tweeter disperses clean highs up to 19,000-Hz.

Rugged die-cast frame locks voice coils in precise position for extra durability. Level control adjusts tweeter to listening room's acoustics or personal taste.

40 B 5106 X. Shpg. wt. 11 1/2 lbs.

SPECIFICATIONS

Resonant Frequency: 25 Hz.

Frequency Response: 25-19,000 Hz.

Power Capacity: 25 watts, 50 watts peak.

Magnet Structure Wts.: Woofer, 5 1/2 lbs.; tweeter, 1 lb.

Magnetic Material: Woofer, ceramic; tweeter, Alnico.

Crossover Frequencies: Mechanical at 2000 Hz; electrical at 4000 Hz.

Flux Density: Woofer, 12,650 gauss; tweeter, 13,500 gauss.

Voice Coils: Woofer, 1 1/2"; tweeter, 1".

Rated E.I.A. Sensitivity: 53 dB.

Voice Coil Impedance: 8 ohms.

Mounting Depth: 6 3/4".

Allied 12" Speaker Enclosure Kit for bass reflex or air-tight design

Rugged 3/4" construction for long-lasting beauty . . . can be used successfully with any 12" speaker . . . assembles easily in minutes with just a screwdriver

Model 1290KA. An unusually low price for a speaker enclosure of this quality. Features bass reflex design, easily converts to an air-tight acoustic-suspension enclosure with the included accessories. Compact, yet boasts attractive styling. Engineered to accept any good 12-inch speaker (works great with the Allied 888BHC above); crafted by a professional appearance after quick and easy assembly. Has fiberglass acoustic lining to prevent resonant sound. Wood panels are finished with attractive walnut stain. Place it horizontally or vertically on shelf or floor. Kit includes finishing oil for rubbing-in a rich walnut finish in minutes. Acoustically transparent grille cloth is easily mounted. Terminal strip for easy connection to your amplifier. With instructions, oil, conversion kit. Overall size 24x12" deep.

40 B 5103 U. Shpg. wt. 29 lbs.



29⁹⁵

T SELLER! Our most popular ed 12" high-fidelity Speaker

**Allied 3-way 12" model with VHF
tweeter for 18,000 Hz treble**

**Even at this low, low price you get three
separate sound-reproducing elements for
mass response to 25 Hz . . . delivers full-
spectrum sound in any good enclosure**

830BHC. An outstanding buy on an outstanding speaker
is the speaker for the music lover who demands
performance, plus top-dollar value. It's packed with
deluxe features for years of great sound. Buy two and
them in any good enclosures, like Allied's 1286
for wide-range stereo realism.

Die-cast frame assures excellent structural
by locking moving elements into precision align-
Big 12-inch woofer boasts a special long-excursion
for deep, natural bass. Mechanical crossover, at 2000
tributes middle frequencies to a separate axially-
ed cone for distortion-free midrange. Electrical cross-
at 3500 Hz, feeds a compression-type, diffraction-horn
tweeter for brilliant highs.

Controlled tweeter level control makes it easy to adjust output
of tweeter. Convenient binding post terminals permit
solderless hookup.

Model X. Shpg. wt. 10 1/2 lbs. **34.95**

SPECIFICATIONS

Nominal Frequency: 30 Hz.

Frequency Response: 25-18,000 Hz.

Power Capacity: 20 watts, 40 watts peak.

Net Structure Wts.: Woofer, 3 lbs.; tweeter, 11 oz.

Magnetic Material: Woofer, ceramic; tweeter, Alnico V.

Crossover Frequencies: Mechanical, at 2000 Hz;

Electrical, at 3500 Hz.

Density: Woofer, 9750 gauss; tweeter, 7000 gauss.

Coils: Woofer, 2"; tweeter, 1".

E.I.A. Sensitivity: 45 dB.

Coil Impedance: 8 ohms.

Mounting Depth: 5 1/4".

Allied factory-assembled tapered-port bass reflex 12-inch Speaker Enclosure

**Features deluxe construction, compact,
space saving size . . . rugged 3/4" wood
cabinet provides a high-quality speaker
installation at a money-saving price**

1286A. This fully assembled enclosure is the perfect
for those who want to mount their own speakers at
least cost. Features vented-port design with bass reflex
proved bass performance from any 12" speaker. Place
on shelf or on the floor—use it vertically or horizontally.
Provides bass response and performance of any 12-inch
speaker—a perfect match for the Allied 830BHC above.
Features deluxe construction and compact, space-saving size;
appearance and solid 3/4" wood construction with
veneer finish on all four sides of the cabinet. Fiber
insulation prevents annoying acoustic resonance.
Aesthetically transparent grille cloth permits free passage
of audio frequencies. Has a rear-mounted two-lug terminal
for easy phasing and connection of the speaker system
to amplifier. Size, 14 3/4"x23 3/4"x12 1/4".

Model U. Shpg. wt. 31 1/4 lbs. **34.95**

See page 331 for full Credit details



**NO DOWN
PAYMENT
REQUIRED***

34⁹⁵

3-lb. magnet structure

Rigid one-piece die-cast frame

Axially-mounted midrange

VHF tweeter level control

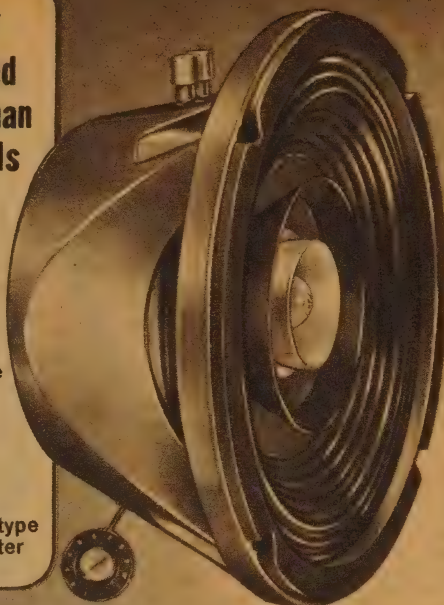
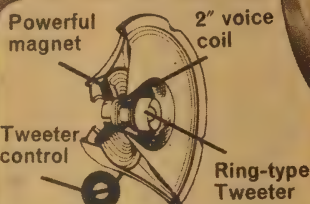
Diffraction-horn VHF tweeter



34⁹⁵

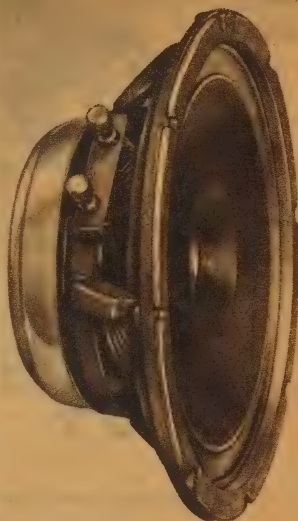
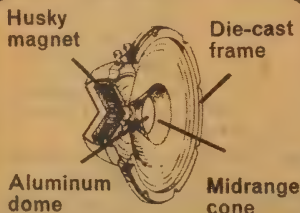
**Allied's finest 8"
Speaker . . designed
for sound better than
some larger models**

29⁹⁵



**NEW! Best Allied
8" Speaker ever
offered at this
remarkable low price**

11⁹⁵



3-way 8" Speaker

Model 839. Allied's own 8" hi speaker performs like a 12" sp it's actually priced lower th "eights!" Even at this low pric the benefit of true 3-way d smooth wide-range sound. Ultr size, only 3 1/2" deep, makes it wall or custom mounting. Or r speaker in any good 8" enclo recommend the Allied 1295K be

Husky high-compliance 8" w tures oversize 2" voice coil an 2 1/2-lb. magnet structure for s down to 45 Hz. Coaxially moun projects clear peak-free midran Compression-type tweeter c clean, brilliant highs. Has built overs at 2000 and 4000 Hz. Lev adjusts tweeter output to s Colored binding post termin quick phasing and connection **40 B 5101.** Shpg. wt. 7 lbs.

SPECIFICATIONS

Free-Air Resonant Frequency: 61
Frequency Response: 45-18,000 H
Crossover Frequencies: Mech 2000 Hz. Electrical at 4000 Hz.
Power Capacity: 20 watts pro watts peak.
Magnets: 2 1/2-lb. ceramic structu er, 5-oz. Alnico V structure.
Voice Coils: Woofer, 2"; tweeter, 1"
Rated Impedance: 8 ohms.

2-way 8" Speaker

Model 828HC. Here's a spea delivers good sound for audiop limited space and budgets! fformance and features of spea ing much more. Compact size, deep, makes it ideal for custor ceiling mounting. Or mount it in 8" enclosure, like the Allied 1295 and get even better bass respon

Specially-designed 8" woofer h roll suspension for high compli peak-free sound. Large 1" v coupled to a husky 2 1/2-lb. magi ture assures bass down to 40 Hz. whizzer cone projects clear m quencies. Aluminum dome ex sponse up to 17,000 Hz. Rigid frame keeps moving parts in alignment. Power capacity: 1 peak. Impedance: 8 ohms. Colo ing posts for quick phasing and h your amplifier.
40 B 5107. Shpg. wt. 3 1/2 lbs.

Allied 8" walnut Speaker Enclosure K

Model 1295K. Designed for the cost-conscious hi-fi liste wants to "build his own." Allied's 8" speaker enclosure tures proven ducted-port bass reflex design that deep frequency response. For floor or shelf use; can be placed v or horizontally. Constructed of solid 3/4" wood panels with veneer on all four sides. Simply rub in finishing oil (not i for a handsome oiled walnut finish that will do justice to any setting. Fiber glass insulation cancels out spurious re and assures smooth sound. Terminal strip makes conn speaker to your amplifier easy. With instructions. 11x24x9" **40 B 5104 X.** Shpg. wt. 16 lbs.



19⁹⁵



Money-saving values in Realistic 'Americana' diecast Speakers

3-way 12" .. ideal for full sound in budget systems

29⁹⁵

Heavy construction assures perfect alignment of electro-mechanical elements in this economically priced 3-way speaker system. Cloth-roll suspension, 1 1/2" voice coil and 20-ounce ceramic magnet produce peak power capability of 45 watts. Prewired tweeter controls attenuates high frequencies to suit room's individual acoustic characteristics. Separate woofer and mid-range diaphragms deliver smooth, well-delineated sound. Tweeter is separately driven. Frequency response of 25-20,000 Hz. Heavy diecast basket and exclusive internal dust seal provide years of trouble-free use. Convenient screw-type binding posts. 8 ohms impedance.

Model 1304 X. Shpg. wt. 12 lbs. **29.95**

3-way 8" .. cloth roll suspension for great sound

16⁹⁵

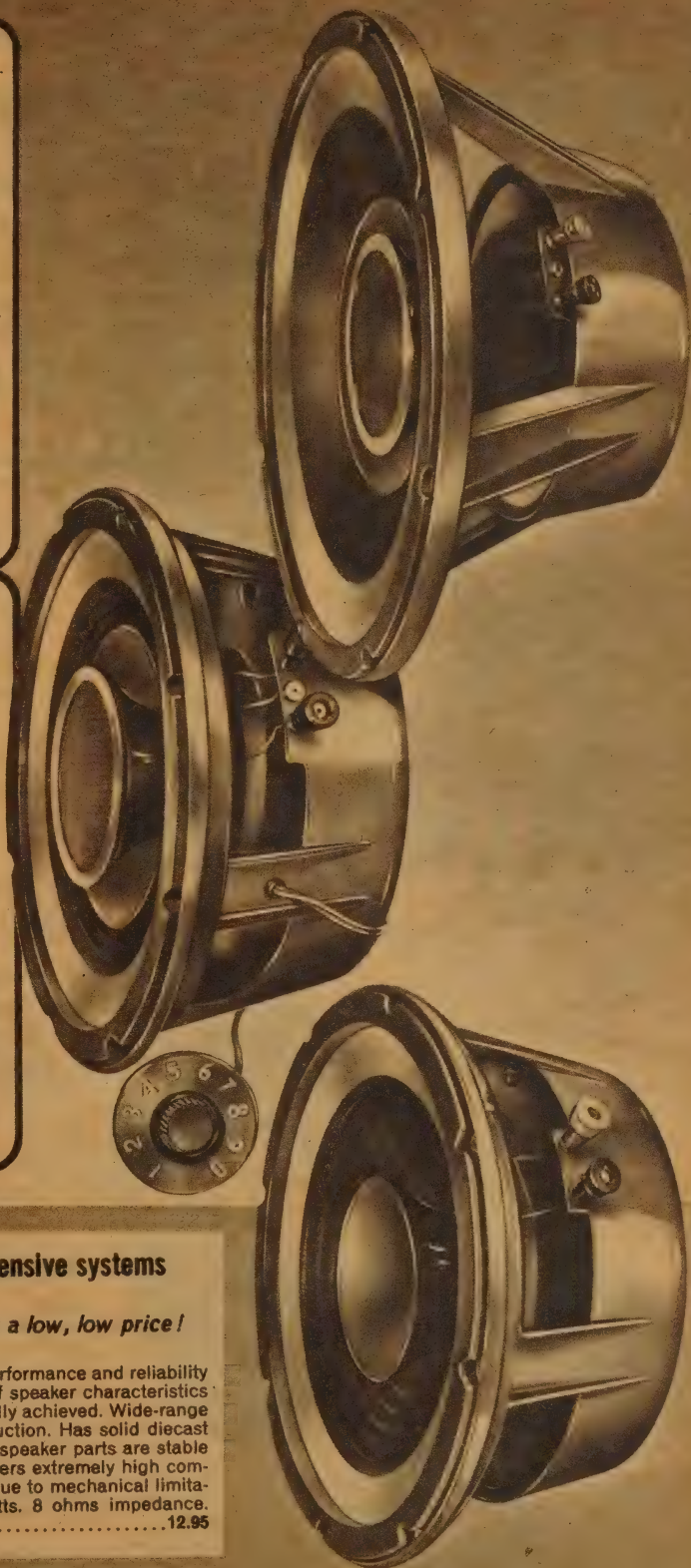
Wide frequency range of 35-19,000 Hz and peak power handling capacity of 30 watts insure this 3-way's superiority to many speaker-costing much more. Diecast frame maintains precision alignment of all moving parts. Highly compliant cloth-roll suspension minimizes doubling and mechanical distortion. Can defeat the potential fidelity of your system. Tweeter control for fine-tuning to mellow sound in acoustical environment. 10-ounce ceramic magnet. 3" tweeter. 1" voice coil. New type binding terminals for ease in connections and phasing adjustments. 8 ohms impedance.

Model 1302. Shpg. wt. 5 lbs. **16.95**

3-way 8" gives hi-fi sound to inexpensive systems

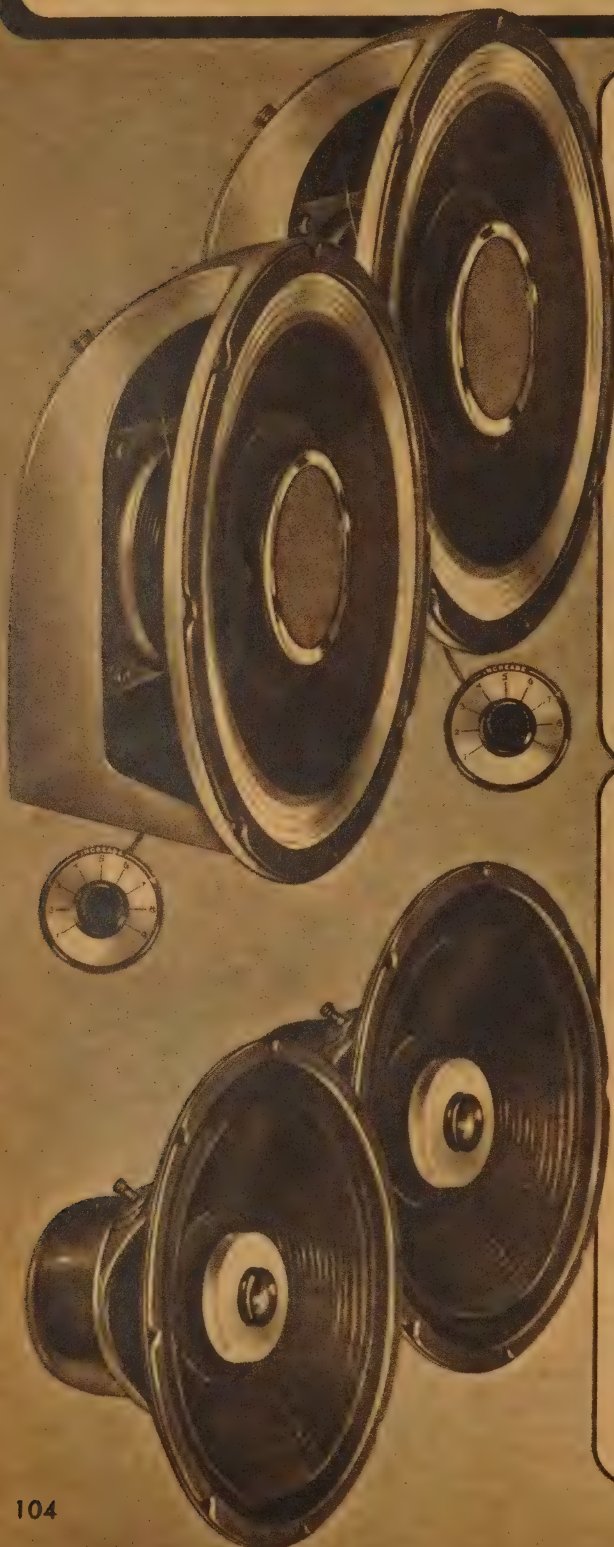
Buy two for stereo sound at a low, low price!

Classic design techniques for excellent performance and reliability at low price. Whizzer cone takes advantage of speaker characteristics and high frequency range beyond that normally achieved. Wide-range response 45-18,000 Hz for top-notch sound reproduction. Has solid diecast design long accepted for rigidity to stress—speaker parts are stable and mis-alignment. Rolled cone suspension offers extremely high compliance characteristics so sound is not degraded due to mechanical limitations. 1" voice coil. Peak power capacity, 24 watts. 8 ohms impedance. Model 1301. Shpg. wt. 4 lbs. **12.95**



Two spectacular values in high-fidelity Speakers
by Utah . . priced extra-low when you buy a pair

AL
5
ANNI
★ SP



Two Utah 3-way 12" Speakers
great hi-fi stereo at a low price

One
Speaker

37⁵⁰

Two
Speakers

42⁵⁰

Buy with no money down*

*Cloth-roll suspension and 1 1/4-lb. magnet
plus tweeter for 23-20,000 Hz response*

Model C12PC-3C. Allied offers you two of these big speakers at a price you'd expect to pay for only one. Husky 12" woofer with cloth-roll suspension has 1 1/2" voice coil coupled to 1 1/4-lb. ceramic magnet for natural bass down to 23 Hz. Coaxial cone fills the mids with clear midrange sound. Coaxially mounted, compression tweeter with Alnico V magnet has brilliant treble response. Level control adjusts tweeter output to room acoustics. Crossovers at 1000 Hz and 3500 Hz. Rugged die-cast frame keeps moving parts in perfect alignment. Internal dust seal protects voice coil. Connections make phasing and connection to your amp a breeze. 45 watts peak. 8 ohms. Mtg. depth: 6 1/2". 40 B 6127 X. One Speaker, Shpg. wt. 12 lbs. Two Speakers, Shpg. wt. 24 lbs.

Value-priced Utah 3-way 15"
models for breathtaking hi-fi music

One
Speaker

44⁵⁰

Two
Speakers

49⁵⁰

Buy with no money down*

*High-compliance woofer has ceramic
magnet for powerful 30-Hz bass notes*

Model G15RXC-HF. Be kind to your budget and get thrilling stereo hi-fi realism with a pair of these powerful 15-inchers. Huge 15" high-compliance woofer has 2" size 2" voice coil coupled to a high-flux 1 1/2-lb. ceramic magnet for thunderous bass as low as 30 Hz. Coaxial cone projects clean midrange sound. Horn-loaded, compression-type tweeter disperses brilliant, sparkling highs. Built-in crossovers are at 2000 Hz and 4500 Hz. Sturdy die-cast frame keeps critical moving parts in perfect alignment. Spring-loaded fingertip binding terminals color-coded for easy stereo phasing and quick connection of speakers to your stereo amplifier. Power Capacity: 50 watts peak. Impedance: 8 ohms. Free resonance, 40 Hz. Response: 30-20,000 Hz. Mtg. depth: 4 1/2". 40 B 6128 X. One Speaker, Shpg. wt. 13 lbs. Two Speakers, Shpg. wt. 26 lbs.

Three speaker values too good to miss

ALLIED
50th
ANNIVERSARY
★ SPECIAL ★

Utah 3-way 8" Speakers priced extra-low in pairs

One
 Speaker

18⁹⁵

Two
 Speakers

22⁵⁰

Buy a pair with no money down*

*Features cloth-roll suspension
 for deeper bass response*

Model C8JC-3C. Outstanding hi-fi at a budget price! Woofer has cloth-roll suspension with voice coil coupled to 10-oz. ceramic magnet for bass as low as 35 Hz. Coaxial cone projects clear midrange. Coaxial tweeter disperses brilliant highs. Die-cast frame has baked-on powder finish. Color screw terminals simplify phasing. Capacity: 30 watts peak. Impedance: 8 ohms. 35-20,000 Hz. Mtg. depth: 3 3/4".
 B 6129. One Speaker. Wt. 5 1/4 lbs. 18.95
 Two Speakers. Shpg. wt. 11 lbs. 22.50

Two Utah 2-way 8" Speakers for lowest priced stereo

One
 Speaker

13⁹⁵

Two
 Speakers

14⁹⁵

*Low price and compact size make
 these speakers ideal for anyone*

Model D8JXC. Exciting value for budget-conscious stereo fans! Woofer has 1" voice coil coupled to 12-oz. ceramic magnet for smooth bass down to 40 Hz. Coaxial cone disperses clear midrange and sparkling highs. Color screw terminals simplify phasing. Capacity: 30 watts peak. Impedance: 8 ohms. Response: 40-17,500 Hz. Mtg. depth: 4 1/4".
 B 6130. One Speaker. Wt. 3 1/4 lbs. 13.95
 Two Speakers. Shpg. wt. 7 lbs. 14.95

Special Purchase! Altec-Lansing 15" Speaker

109⁵⁰

no money down*

*Massive 10 1/2-lb. magnet structure and
 compression tweeter for super hi-fi*

Model 602D. Spectacular value in this deluxe Altec-Lansing model. High-compliance 15" woofer features oversize 3" voice coil coupled to powerful 10 1/2-lb. magnet structure for thunderous 20-Hz. bass. Compression driver is loaded with a cast-zinc horn which has 40°x90° dispersion pattern for wide-angle dispersion of "highs" up to 22,000 Hz! Has cast-aluminum frame plus built-in electrical crossover and level control. Capacity: 25 watts. Impedance: 8 ohms. Depth: 7".
 B 6134 X. Shpg. wt. 21 lbs. 109.50



See page 331 for full Credit details . . buy with no money down

ALLIED
50th
ANNIVERSARY
★ SPECIAL ★



Special-Purchase Closeout of Utah 12" Speakers cloth-roll suspension for deeper bass

Each **28⁵⁰** Two for **32⁵⁰**

Get two high-fidelity Utah 2-way speakers for little more than the price of one! Here is your chance to own great speakers at a low, low price. Features 12" cloth suspension woofer with 1½" voice coil and 1¼-lb. ceramic magnet. Handles 45 watts of peak power, effortlessly delivers deep bass reaching down to 23 Hz. Coaxially mounted cone reinforces the all-important middle frequencies, gives brilliant highs to 19,000 Hz. Mounts on front or rear baffle board. 8 ohms impedance. Solderless color-coded terminals. 5½" deep. Shpg. wt. each, 12 lbs.

40 B 6112 X. One Speaker.....
Order two for.....

Spectacular bargain price on popular Jensen three-element 12" Flexair® Coaxial Speaker

Model SG-220. Was \$56.95. For our Fiftieth Anniversary, slashed the price \$20.00 on this superb coaxial speaker. An excellent choice for your stereo hi-fi system. Big 12" Flex-air® voice is coupled to a powerful 1-lb. Syntox-6® magnet. Delivers bodied bass all the way down to 20 Hz. The important midrange frequencies are handled by a smooth, mechanically coupled mid radiator. Compression-driven, horn-loaded super tweeter gives wide angle dispersion treble for brilliant life-like highs. Delivers concert hall realism over the entire frequency range from 18,000 Hz, with electrical crossover at 4000 Hz. Also features frequency balance control on cable. Power handling capacity 40 watts. Free air resonance, 40 Hz. Impedance, 8 ohms. 5½" deep. Order two speakers for stereo and save even more!

40 B 6126 X. Shpg. wt. 12 lbs.....

Special savings on Altec-Lansing two-way Speaker with unique response-widening design

Model 412D. Was \$72.50. What a bargain for the stereo enthusiast! This high-performance two-way speaker is cut \$18.00 off our previous price. Exclusive "Biflex" multiple-impedance design gives unusually wide frequency range for a single-cone speaker. Superb 12" woofer brings you rich response way down to 30 Hz. Smaller center cone operates independently for thrilling treble up to 15,000 Hz. Mid-cone complements gives mechanical crossover at 1000 Hz. Rugged construction in durable cast aluminum frame. Offers clean, natural response of 30-15,000 Hz. Power handling capacity, 30 watts peak. Impedance, 8 ohms. 12½" diameter, 5½" deep.

40 B 6108 X. Shpg. wt. 16 lbs.....

ALLIED
50th
ANNIVERSARY
★ SPECIAL ★



Cut
\$20.00
36⁹⁵

ALLIED
50th
ANNIVERSARY
★ SPECIAL ★



Cut
\$18.00
54⁵⁰

Acoustic-suspension Speakers by Utah

[A] Model CS5JFC. Space-saver 5" model performs like the larger speakers. Features cloth-roll suspension. Potent 1¼-lb. magnet structure and ¾" voice coil for smooth wide-range response from 65 to 17,000 Hz. Power capacity, 18 watts peak. Impedance, 8 ohms. 2½" deep.

40 B 6113. Shpg. wt. 2 lbs.....**6.90**

[C] 12" Model V12RXC-7 Woofer. Big 1½-lb. ceramic magnet. 2" voice coil, cloth-roll suspension. 25-2500 Hz. 60 watts peak. Impedance, 8 ohms. 5" deep.

40 B 6114 X. Shpg. wt. 9 lbs.....**24.95**

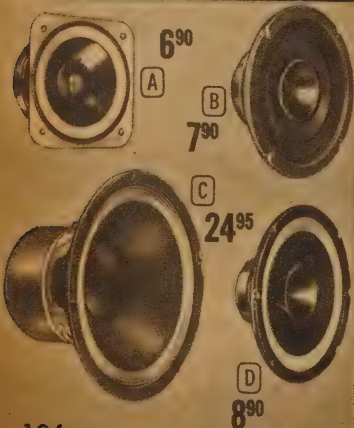
40 B 6118 X. 15" Model V15RXC-5 Woofer. Above, but 20-2500 Hz. 70 watts peak. 6½" deep. Shpg. wt. 12 lbs.....**29.95**

[B] Model CS6JCW. Two-way 6" speaker gives full dynamic sound from compact size. Fits easily in the smallest spaces. Features big 10-oz. barium magnet for powerful smooth bass response, 50-17,000 Hz. Power handling capacity, 25 watts peak. 8 ohms. 2½" deep.

40 B 6119. Shpg. wt. 2 lbs.....

[D] Model CS8JCW. Two-way 8" speaker offers amazing response for its size. Coaxial cone specially designed for wide frequency response. Cloth-roll suspension gives superb distortion-free response from 20,000 Hz. Power handling capacity, 30 watts peak. Impedance, 8 ohms. 3" deep.

40 B 6124. Shpg. wt. 2½ lbs.....





"Altec-Lansing"
15" two-way
Speaker
195⁰⁰

Electro-Voice
three-way
15" Speaker
79⁵⁰



Utah
low-priced
15" 3-way
Speaker
46⁵⁰



Duplex" 604E. Superb speaker with high-compliance cone with a 27-lb. magnet structure. Handles most demanding orchestral crescendos with ease. You get wide-range distortion-free response that actually rivals original performance. Coaxially-mounted multicellular high-frequency gives 40°x90° dispersion. Dual full-range 1500 Hz crossover. Level control. Response, 20-22,000 Hz. Capacity, 35 watts. Impedance, 8-16 ohms. 11 1/2" deep. 40 B 610 U. Shpg. wt. 40 lbs. **195.00**

Model 15TRXB. Great full range sound at a moderate price. Three-way design assures maximum fidelity for all frequency levels. Massive 15" woofer has a powerful 1 1/2-lb. ceramic Indox magnet for smooth full-bodied bass down to 30 Hz. Radax-type midrange cone delivers clean natural middle frequencies. Wide-dispersion horn-type super-tweeter gives crisp brilliant highs to 20,000 Hz. Brilliance control. Capacity, 60 watts peak. 8 ohms. 9" deep. 40 B 6110 X. Shpg. wt. 18 lbs. **79.50**

Model D15PC-4. Now you can get the full-fidelity advantages of a big 15" speaker at a low budget-pleaser price. Three-way coaxial design handles all frequencies with precision clarity. Huge 15" woofer gives smooth mellow bass down to 30 Hz. Separate midrange radiator delivers crucial middle frequencies with rich life-like quality. 4" tweeter disperses clean sparkling highs up to 18,500 Hz. Power handling capacity, 40 watts peak. Impedance, 8 ohms. 8" deep, 15 1/2" diameter. 40 B 6115 X. Shpg. wt. 11 lbs. **46.50**



A
12⁰⁰



B
30⁷⁵



C
21⁵⁰

Altec-Lansing 405A 4" Mini-Speaker. Full range response 60-15,000 Hz. Rugged steel construction with water-resistant cone. 10 watts. Impedance, 8 ohms. 2 1/2" deep. 40 B 6102. Shpg. wt. 3 lbs. **12.00**

Altec-Lansing 755E slim Biflex 8" Speaker. Multiple concentric compliance suspension. 1 1/2-lb. ceramic Indox V magnet. 90° dispersion. 40-15,000 Hz. 15 watts. 8 ohms. 2 1/2" deep. 40 B 6103. Shpg. wt. 7 lbs. **30.75**

Jensen C8JC-3D 8" 3-way Speaker. Features cloth edge roll suspension. Coaxially mounted tweeter. 34-20,000 Hz response. 30 watts peak power. Impedance, 8 ohms. 3 1/4" deep. 40 B 6116. Shpg. wt. 5 1/2 lbs. **21.50**

D Utah C12PC-3D 12" 3-way Speaker. Cloth edge roll suspension for high efficiency. Coaxially mounted tweeter. Gives clean natural 23-19,500 Hz response. Capacity, 45 watts peak. Impedance, 8 ohms. 5 1/4" deep. 40 B 6117 X. Shpg. wt. 11 lbs. **38.95**

E University 312 12" 3-way Speaker. University's best selling 3-way. High-compliance woofer, wide-dispersion "Diffusicon" midrange, "Sphericon" coaxially mounted tweeter. 28-40,000 Hz. 35 watts. 8 ohms. 6 3/4" deep. 40 B 6120 X. Shpg. wt. 10 1/2 lbs. **88.50**

F Electro-Voice 12TRXB 12" 3-way Speaker. Big 1 1/2-lb. magnet. Radax midrange and wide-dispersion horn tweeter. Level control. Crossovers at 2000 and 3500 Hz. Response, 35-20,000 Hz. Impedance, 8 ohms. 7" deep. 40 B 6111 X. Shpg. wt. 16 lbs. **74.95**



Popular 10", 12" and 15" Woofers by Altec-Lansing, University and Jensen



6⁰⁰



58⁰⁰



62⁰⁰

Altec 406-8C 10" Woofer. Has lightweight cast aluminum frame. Big 9-lb. magnet and 3" voice coil. 25-4500 Hz response. Capacity, 50 watts peak. Impedance, 8 ohms. 5 1/2" deep. 40 B 6104 U. Shpg. wt. 16 lbs. **56.00**

J Altec 416-8A 15" Woofer. Has 10 1/2 lb. magnet and 3" edge-wound voice coil. Cast aluminum frame. Response, 20-1600 Hz. Capacity, 50 watts. Impedance, 8 ohms. 7" deep. Shpg. wt. 19 lbs. 40 B 6106 U. **62.00**

University C15HC 15" Woofer. Has 10-lb. magnet structure. Dual voice coil for rich bass. Response, 18-800 Hz. Power handling capacity, 60 watts. Impedance, 4-20 ohms. 8 1/2" deep. Shpg. wt. 25 lbs. 40 B 6121 U. **97.50**

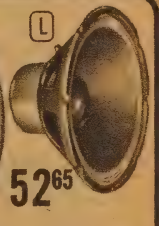
Altec 414-8B 12" Woofer. Big 9-lb. 7-oz. magnet and 3" edge-wound voice coil. Response, 30-15,000 Hz. Power handling capacity, 50 watts. Impedance, 8 ohms. 5 1/2" deep. Shpg. wt. 16 lbs. 40 B 6105 U. **58.00**

Altec 411-8A 15" Woofer. Features massive 18-lb. magnet, 4" voice coil. Cast aluminum frame. 120° dispersion. 20-1000 Hz. Capacity, 60 watts. Impedance, 8 ohms. 5 1/2" deep. Shpg. wt. 26 1/2 lbs. 40 B 6107 U. **99.50**

University C12HC 12" Woofer. Dual voice coil improves bass. Has 8-lb. magnet structure. Response, 20-3000 Hz. Power handling capacity, 50 watts. Impedance, 4-20 ohms. 6 3/4" deep. 14 lbs. 40 B 6123 U. **59.85**



118²⁵



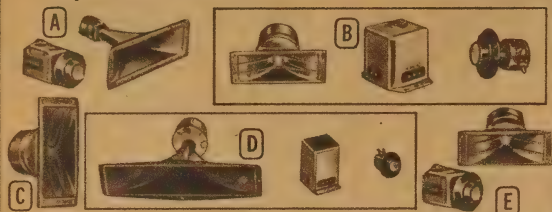
52⁶⁵

K University C15W Deluxe 15" Woofer. Features powerful twin suspension 14-lb. magnet plus dual voice coil for superb bass reproduction from 25 to 1500 Hz. Full 50-watt power handling capacity. Impedance, 4-20 ohms. 10 1/2" deep. 40 B 6122 U. Wt. 27 lbs. **118.25**

L Jensen W12NF 12" Woofer. Get clean natural bass at a budget-pleaser price. Employs unique "Flexair" suspension for smooth peak-free response from 20 to 2000 Hz. 35-watt power handling capacity. Impedance, 8 ohms. 7 1/2" deep. 40 B 6125 X. Wt. 9 1/4 lbs. **52.65**

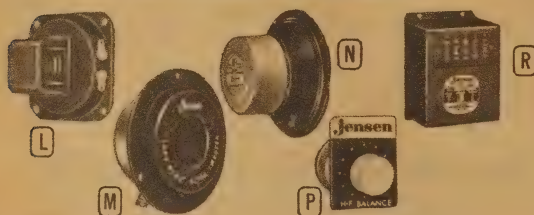
Custom-select your own Speaker Components

ELECTRO-VOICE Speaker Components



- A** Electro-Voice HF-1 Tweeter Package. Wide-angle tweeter; 3500 Hz crossover; level control; wiring. 3500 Hz to beyond audio range. 25 watts. 8 ohms.
40 B 6138. Shpg. wt. 3 lbs.28.95
- B** E-V BB-1 Deluxe Tweeter Package. T35 tweeter; X-36 crossover; AT37 control. 3500-20,000 Hz. 40 watts. Impedance, 16 ohms.
40 B 6137. Shpg. wt. 6 lbs.53.95
- C** E-V T-35 Tweeter. Response: 3500 to 20,000 Hz. Capacity, 40 watts. Impedance, 16 ohms.
40 B 6139. Shpg. wt. 3 lbs.29.95
- D** Electro-Voice BB-4 Package. Complete with: T25A driver; 8HD diffraction horn; X8 crossover; AT37 control; wiring. 80-3500 Hz. 40 watts. 16 ohms.
40 B 6140 X. Shpg. wt. 16 lbs.99.00
- E** Electro-Voice MF1 Midrange Speaker Package. Includes: MR-10 treble driver; 1000-3500 Hz. 20 watts. 8 ohms.
40 B 6141 X. Shpg. wt. 5 lbs.31.50

JENSEN Speaker Components



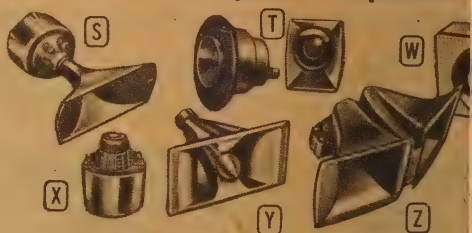
- L** Model TP35-V Direct Radiating Tweeter. Engineered with $3\frac{1}{2}$ " diaphragm. Frequency response, 2000 Hz to 16,000 Hz. Power handling capacity rated at 25 watts (40 watts peak). Impedance, 8 ohms.
40 B 6151. Shpg. wt. $\frac{1}{4}$ lb.5.95
- M** Model TE-40 Sono-Dome® Ultra-Tweeter. For use in 3- or 4-way systems above 4000 Hz response. Full frequency response, 4000 Hz to 25,000 Hz. Power handling capacity, 35 watts. Impedance, 8 ohms.
40 B 6152. Shpg. wt. 1 $\frac{1}{2}$ lbs.26.95
- N** Model MQ8-R Direct Radiator 8-inch Mid-Frequency Unit. Closed back permits use in woofer enclosures without danger of losing fidelity. Frequency response, 600 Hz to 4000 Hz. Power capacity 40 watts (80 watts peak). Impedance, 8 ohms.
40 B 6153. Shpg. wt. 4 lbs.20.95
- P** Model BCL-2 Two-Deck L-Pad. Wirewound with knob and escutcheon. For mid- and high-frequency balance adjustments in multi-way speaker systems. Power handling capacity, 45 watts. Impedance, 8 ohms.
40 B 6155. Shpg. wt. $\frac{1}{2}$ lb.8.00
- R** Model A6410/8 Crossover Network. For use in 3- or 4-way speaker systems. Crossover frequencies at 600 Hz, 4000 Hz, and optional 10,000 Hz. Power handling capacity, 100 watts. Impedance, 8 ohms.
40 B 6154. Shpg. wt. 7 lbs.40.00

ALTEC "Voice of the Theater" Components



- F** Altec-Lansing 511B H.F. Sectoral Horn. 500 Hz audio range. $90^\circ \times 40^\circ$ dispersion. $10\frac{1}{2} \times 25 \times 18$ "
40 B 6135 U. Shpg. wt. 18 lbs.
- G** Altec-Lansing 808-8A H.F. Driver. 500-22,000 Hz to 511B horn. 50 watts power handling capacity. 8 ohms. $3\frac{1}{4}$ " deep.
40 B 6133. Shpg. wt. 9 lbs.
- H** Altec-Lansing 3000H H.F. Speaker. Multicell horn. 3000-22,000 Hz. 35 watts. Impedance, 8 ohms. $3\frac{1}{2} \times 4\frac{1}{2} \times 4\frac{1}{2}$ " deep.
40 B 6131. Shpg. wt. 2 lbs.
- J** Altec-Lansing N501-8A Crossover. Two-section over for 808-8A driver divides audio frequency and impedance, 8 ohms.
40 B 6132. Shpg. wt. 9 lbs.
- K** Altec-Lansing N-3000E Crossover. 3000 Hz for 406-8C or 414-8B woofer and 3000H tweeter. 8 ohms. Shpg. wt. 2 lbs.
40 B 6108.

UNIVERSITY Speaker Components



- S** 40 B 6144. HF-206 Tweeter. 2500 Hz to beyond audio range. For 3-way systems, use N-1 Filter, below. Power handling capacity: 50 watts. Impedance, 8 ohms. $6 \times 3 \times 6\frac{1}{2}$ "
3 $\frac{1}{2}$ lbs.
- T** 40 B 6148. MS Supertweeter. 3000-40,000 Hz. Crossover frequency control. Power handling capacity, 30 watts. Impedance, 8 ohms. $3\frac{1}{2} \times 3\frac{1}{2}$ "
Wt. 1 $\frac{1}{2}$ lbs.
- W** 40 B 6146. T-203W Sphericon Tweeter. 3000-40,000 Hz. Crossover frequency control. Capacity: 30 watts. Impedance, 8 ohms. Walnut case. $6\frac{1}{2} \times 5\frac{1}{2} \times 2\frac{1}{2}$ "
Wt. 2 $\frac{1}{2}$ lbs.
- X** 40 B 6147. T-202 Tweeter. Above, less case. $4\frac{1}{2} \times 4\frac{1}{2}$ "
2 $\frac{1}{2}$ lbs.
- Y** 40 B 6145. N-1 Adjustable High-Pass Filter. (Not illustrated). 2500, 5000, 10,000 Hz crossover. $3\frac{1}{2} \times 3\frac{1}{2} \times 3\frac{1}{2}$ "
2 lbs.
- Z** AP-8 Level Control. (Not illustrated). For 8-16 ohm systems.
40 B 6156. Shpg. wt. 7 oz.
- X** 40 B 6142. T-30 Midrange/HF Driver. For H-600 or C-600 horns. 350 Hz to beyond audibility. 50 watts. 8 ohms. Throat. $3\frac{1}{2} \times 3\frac{1}{2}$ "
Shpg. wt. 2 $\frac{1}{2}$ lbs.
- Y** 40 B 6143. H-600 Midrange/HF Horn. Midrange down to 200 Hz. $7\frac{1}{2} \times 8\frac{1}{2} \times 4\frac{1}{2}$ "
Shpg. wt. 2 lbs.
- Z** 40 B 6158 X. Cobreflex Twin-Flare Horn. Midrange down to 200 Hz. $1\frac{1}{2} \times 18$ throat. $10\frac{1}{4} \times 18\frac{1}{2} \times 9\frac{1}{4}$ "
Shpg. wt. 10 $\frac{1}{4}$ lbs.

ALL-NEW! These brand-new Allied® Stereo Headphones set the price in value and performance that can't be matched anywhere

Why settle for front row center? Our best model seats you in the middle of the stage

- 995**
- 20-20,000 Hz response
 - Separate woofers and tweeters

H887. These sensational headphones give you the impact of a live concert hall performance that's been tuned to your own tastes. Each earcup has separate controls for volume and tweeter level that you adjust from the comfort of your chair. The full audio range from 20-20,000 Hz is covered with brilliant precision clarity thanks to separate woofer and tweeter in each earcup. Comfortable leather-covered headband adjusts for snug fit. Earcushions remove for fast easy cleaning. Complete with a carrying case, velvet-lined case with latch. Ideal for storing and extra-convenient carrying. Impedance, 8-16 ohms. With 15-ft. coiled cord and standard ¼-inch

5503. Shpg. wt. 3¼ lbs. **49.95**



Wide-range response at a modest price . . .
listen for hours in complete comfort

- 2495**
- Big 3-inch speaker in each cup
 - 20-18,000 Hz audio response

H867. Capture the exciting "you are there" realism of your favorite music in complete privacy. Full stereo separation and the vibrant life-like sound from these great headphones leave nothing to your imagination . . . hear it all. Potent 3-inch speaker in each cup covers range from 20-18,000 Hz with the outstanding clarity and brilliance necessary for true fidelity stereo. Individual volume/balance controls in each cup let you just sound without leaving your chair. Extra-soft highly compliant cushions and leather-covered adjustable headband give you a natural fit. You can listen for hours at a time in complete comfort. Earcushions remove for easy cleaning. Impedance, 8-16 ohms. With 15-ft. cord and ¼" plug.

5502. Shpg. wt. 1½ lbs. **24.95**



Quality stereo sound
now at a low
unbeatable price

995



H847. High quality at such a low price make these headphones unmatched in value. Cover 35-14,000 Hz with good fidelity. Vinyl cushioned headband, foam-filled cushions, lightweight design (only 13 oz.) give comfortable fit. Impedance, 8 ohms. 7-ft. cord and ¼" plug.

5504. Shpg. wt. 1¼ lbs. **9.95**

Now you get hi-fi
performance with
this budget-priced set

1495



Model H857. Surround yourself with full-fidelity stereo music. 3-inch speaker in each earcup gives clean smooth response from 30-15,000 Hz. Vinyl-cushioned headband adjusts for perfect fit. Earcushions remove for easy cleaning. Impedance, 8-16 ohms. 10-ft. cord with ¼-inch plug.

33 B 5501. Shpg. wt. 1½ lbs. **14.95**

Give your stereo system more versatility with these Allied Headphone Accessories

H879 Remote-Control Box. Two volume controls for use in two pairs of stereo headphones. Two standard ¼" 2½x4x2".

5510. Shpg. wt. 1 lb. **9.95**

Model H882 Extension Cord/Two-Headphone Adapter. Easy thrifty way to use two stereo headphones from one stereo receiver. Two ¼" jacks and one ¼" plug. 20-ft. cord.

33 B 5511. Shpg. wt. 1½ lbs. **7.95**

page 331 for full Credit details . . Buy with no money down

Koss Stereo Headphones won't let one note escape your ear



NEW! Koss studio-quality Headphones

60⁰⁰

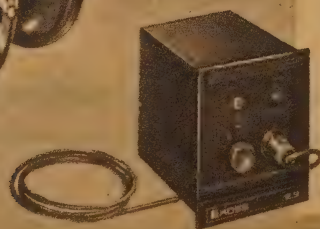
No money down
see page 331

Model Pro-4AA. A new version of the popular Koss Pro-4A. You get exciting full-dimensional stereo in complete privacy. Big 1-inch voice coil gives clean sparkling highs while over-size diaphragm compliance ring reproduces the lowest notes with precision, clarity. Covers 20-20,000 Hz at a flat ± 6 dB. Usable response within half loudness is 10-26,000 Hz. Driver element has special "blow-out" proof construction to let you get the full impact of the most demanding orchestral crescendos. Soft fluid-filled earcushions and adjustable padded headband. Impedance, 4-16 ohms. With 10-ft. coiled cord, standard $\frac{1}{4}$ -inch plug.
33 B 6504. Shpg. wt. 2 lbs.....**60.00**
33 B 6505. Model Pro-4A. Response, 30-20,000 Hz. Impedance, 4-16 ohms. 10-ft. coiled cord, standard $\frac{1}{4}$ -inch plug. Shpg. wt. 2 lbs.....**49.00**
33 B 6514. Model Pro-600A. As Model Pro-4A but 600 ohms impedance. Wt. 2 lbs.....**53.90**



Ten octaves of sound!

150⁰⁰



34²⁵



26⁰⁰



19⁹⁵



49⁹⁵

Stereo headphone Remote-Controls and Hookup Box



33 B 6511. T-10 Control Box. Two stereo headphone jacks. Vol. control for each phone. Speaker Case, $6\frac{1}{4} \times 4\frac{3}{8} \times 2\frac{5}{8}$ ". 4-16 ohms. Wt. 2 lbs.....
33 B 6512. T-5 Control Box. (Not illus.) Vol. speaker cutoff. 2 stereo phone jacks. 4-16 ohms. $5\frac{1}{4} \times 3\frac{1}{8} \times 2\frac{1}{8}$ ". Shpg. wt. 1 lb.....
33 B 6513. T-1 Hookup Box. (Not illus.) Match 3XC to 600-10,000 ohms. $6\frac{1}{4} \times 3\frac{1}{8} \times 2$ ". 8 oz.....

Electrostatic Headphones give widest response

Model ESP-9. World's only self-energized electrostatic headphones. Give depth and breadth of sound for stereo at its best. You get the full effect of the original studio recording with no room acoustics present. Electrostatic driver elements provide unbelievable response far beyond the limits of ordinary voice coils and cone-type driver elements. 15-15,000 Hz, response is an amazing flat ± 2 dB (full 10 octaves response) is a remarkable 10-47,000 Hz.
 Special push-pull acoustical circuitry virtually ends distortion to give you a clean sparkling sound of a live performance. Harmonic distortion less than 0.2% at 110 dB SPL. No special amplifier or power supply required. Separate energizer offers option of self-energizing for bias supply. Energizing through AC line. When energized through AC line, level measurements can be made, in tape mastering machines and recording consoles for example. Energizer has speaker/headphone on-off switch and AC pilot light.
 Fluid-filled earcushions and lightweight design (only 19 ounces) let you listen in comfort for hours. Full 12-watt power capacity. Impedance, 4-16 ohms. With 6'4" conductor input cable that connects to amplifier terminals. Energizer size, $4\frac{1}{4} \times 3\frac{1}{8} \times 6\frac{1}{4}$ ".
33 B 6515. Shpg. wt. 8 lbs.....

NEW! For hi-fi at a moderate price

Model KO-727B. These fine stereo headphones accept up to 60 watts per channel from normal program sources. Full frequency response from 40-15,000 Hz is achieved with less than 1% distortion. Fluid-filled earcushions and adjustable headband assure snug comfortable fit. Earcushions can be moved for easy cleaning. Impedance, 4-16 ohms. With 10-ft. coiled cord, plug, **33 B 6506.** Shpg. wt. 2 lbs.....

Comfortable lightweight design

Model K-6. These headphones weigh only 15 ounces for long-time listening. Soft fluid-filled earcushions remove for cleaning. Accept 60 watts per channel from normal program source. Response, 20-20,000 Hz. 4-16 ohms. 10-ft. coiled cord, plug, **33 B 6507.** Shpg. wt. 2 lbs.....
33 B 6503. Model K6LC. As above but with volume control on each cup. 2 lbs.....

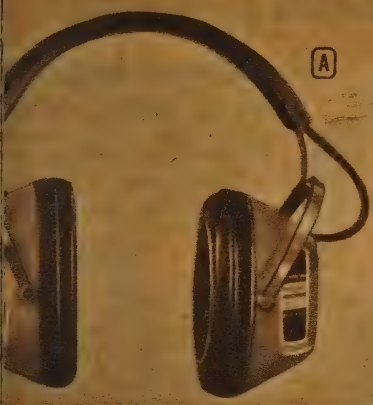
Fine budget-pleaser model

Model SP-3XC. Big $3\frac{1}{2}$ " dynamic driver in each earpiece. Foam-filled earcushions. Rugged plastic headband. 20-16,000 Hz. 16 ohms. 10-ft. coiled cord, plug, **33 B 6508.** Shpg. wt. 2 lbs.....
Model SP-5SM. Similar to above but with lavalier-type stereo/mono switch. Response, 20-15,000 Hz. Impedance, 4-16 ohms. 10-ft. coiled cord, plug, **33 B 6509.** Shpg. wt. $2\frac{1}{2}$ lbs.....

Full-range hi-fi Headphones

Allied/Koss Pro-5. Fluid-filled earcushions. Padded headband adjusts. Shockproof construction. 20-20,000 Hz. Impedance, 4-16 ohms. 10-ft. coiled cord, plug, **33 B 6510.** Shpg. wt. 2 lbs.....

Realistic Stereo Headphones . . full response at a low price



A Custom "Pro"
for full listening
in a private world

- Bassport feature
- 10' coil cord

22⁹⁵

stereo realism along with dynamic channel separation plus this low price make these headphones a sensational value. Provide personal listening free from outside noise. Shuts out the world with warm, leaving you enveloped in musical contentment. Exclusive bassport employs acoustic principles in design to extend bass and expand for full 20-20,000 Hz response. 10' coil cord allows freedom of movement without awkward tangling. Impedance, 8 ohms.
02. Shpg. wt. 2 lbs.....22.95

Realistic's finest headphones provide full response stereo for private, distortion-free listening at a pleasantly low price. Separate volume control on each earpiece provides convenient adjustment of listening level independent of amplifier. Acoustically shaped earpiece and unique new design of compliant vinyl deliver rich, satisfying sound without disturbing 20-20,000 Hz. Spring steel padded headband and air-filled ear cushions assure perfect seal. 10' coil cord. 8 ohms.
14. Shpg. wt. 1 1/2 lbs.....29.95



B Professional
air-cushioned
NOVA-Pro™

- Volume controls
- Super drivers

29⁹⁵



10-25,000
Hz response

90⁰⁰

10-32,000
Hz response

95⁰⁰



Cross revolutionary electrostatic Stereo Headphones for unmatched realism

ESP-7. These excellent headphones provide truly great reproduction. New electrostatic design gives amazingly full frequency response with the clarity and brilliance of the original performance. Balanced push-pull circuitry virtually eliminates distortion. Smooth, peak-free response from 35-Hz (8 1/2 octaves) at only ± 4 dB. Total response range is outstanding 10-25,000 Hz. Dynamic level indicator light on energizer indicates sound pressure levels. Flickers at 10th of orchestra volume and stays lit at very high levels. Headphones can be used with any good amplifier or receiver. Energizer connects easily to speaker terminals. Fluid-filled ear cups. Weigh only 17 oz. Impedance, 4-16 ohms. Individual speaker/headphone switch, cord, plug.
01. Shpg. wt. 4 lbs.....90.00

Model ESP-6. Get performance that surpasses most loudspeaker systems plus the advantages of stereo headphones (isolation from outside noise and room acoustics, dynamic stereo separation, etc.). Uses same electrostatic principles as ESP-7 (left) to give professional quality sound. Covers 35-10,000 Hz at a low 2 1/2 dB. Total response is 10-32,000 Hz. This remarkable range is reproduced with the precision clarity of the original studio recording. Sound is virtually distortion-free because of the balanced push-pull circuitry. Dynamic level indicator lights let you select perfect listening levels. No special or external power sources are necessary. Self energizer connects easily to amplifier or receiver. Fluid-filled earcups. Impedance, 4-16 ohms. Case, 10' coiled cord, plug.
33 B 6502. Shpg. wt. 6 lbs.....95.00

Now on our convenient Credit Fund Plan

**NOVA 20..great sound..
great comfort .. low cost**

With 3½-inch reproducers

NEW! 16⁹⁵



Experience a new dimension in stereo listening with these low-price headphones. 3½" speakers deliver wide 30-18,000 Hz response. Listen full-volume without disturbing others—and without others disturbing you. Padded spring steel headband and cushioned ear-piece covers assure tight seal essential for best sound and full enjoyment. 10' coiled cord allows you to move about without becoming entangled in wire. 4-16 ohms.

33 B 1038. Shpg. wt. 1 ½ lbs.16.95

Stereo Hi-Fi Headphones and Accessories by Realistic®

**Air-cushioned Headphones
hours of tireless listening**



- Full sound efficiency
- Comfortable, lightweight
- Fine audio quality

11⁹⁵

Fine audio quality and superior comfort in these low-cost headphones. Air-cushioned to block out noise, reduce weight—phones rest lightly on the head. Weigh only 8½ ounces. Minimum earphone housings. Headband covered with wear-resistant material. 40-15,000 Hz. 4-16 ohms.

33 B 195. Shpg. wt. 1 lb.

**NOVA 10 for
full-range sound
at minimum cost**



- 2" transducer
- Wide response
- Full comfort

Wide-range 2" transducer in each ear-piece gives you maximum quality at this budget price. Air-cushioned earpads and adjustable weight vinyl headband for the most comfort. 50-15,000 Hz response. A rich wholesome bass and highs. 5' cord. 8-16 ohms.

33 B 1012. Shpg. wt. 1 ½ lbs.

Stereo/Mono Headphones



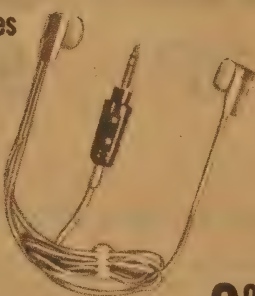
Duofone®

9⁹⁵

- Switchable 4-way headphones
- 600 or 2000 ohms impedance

Dual switches on plug select stereo or mono listening and 600 ohm or 2000 ohm impedance. Use with any solid-state device for satisfying clarity.

33 B 197. Shpg. wt. ½ lb.9.95

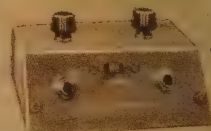


- Wide-range dynamic
- For hi-fi stereo, mono

Can be used with any solid-state device. A flick of the plug-mounted switch changes from mono to stereo. Impedance: 8 ohms, matches 4-16 ohm output.

33 B 196. Shpg. wt. ½ lb.6.95

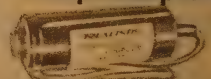
Headphone Junction



Connects 1 or 2 headphones to a switch controls speakers and phones. Each phone has individual volume control. 4-16 ohms. 4¼x1¼x1½".

33 B 1010. Shpg. wt. 2 lbs.

Amp-Headphone Coupler



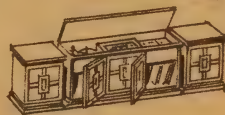
Attach stereo headphones to stereo mono amplifiers without output tension cables may also be attached.

33 B 1009. Shpg. wt. ¼ lb.

BARZILAY

Exquisitely styled
furniture for your
hi-fi components

Choose from factory assembled
models or money-saving kits



Design Eight" 3-pc. Mediterranean Ensemble

995
Kit form

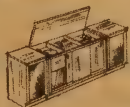
*Gorgeous Classic Mediterranean
style in oak solids and veneers*

Warmth and elegance of oak enhances room decor. Full
length cabinet in matched grain oak veneer. Changer
18 3/4" w., 15" deep. Receiver section, 18 3/4" w., 15" deep.
Tuner, 18 3/4" w., 15" deep. Overall cabinet, 29x59 1/2x18 3/4".
Enclosures for 12" or 15" speakers. Each, 29x21 1/2x18 3/4". Kits with
finishing oil supplied. Assembled, handsome tawny dark oak
See Shpg. Note below.

- | | |
|--|-------------|
| 1 L2ZF. Ensemble Kit. 270 lbs. | 299.95 |
| 2 L2ZF. 87E Assembled Ensemble. 270 lbs. | 559.95 |
| 3 ZF. K81 Eqpt. Cab. Kit. 140 lbs. | 184.95 |
| 4 ZF. 871 Eqpt. Cab. Assembled. 145 lbs. | 349.95 |
| 5 ZF. K82 Spkr. Encl. Kits. 125 lbs. | Pair 129.95 |



Kit form **294⁹⁵**



Barzilay "Design One"/b deluxe Ensemble

Contemporary design in rich walnut. Full-width lift top. Top
18 3/4" w., 15 1/2" dp. Top left and right, 18 3/4" w., 15 1/2" d.
Left and right 18 3/4" w., 13" h., center, 18 3/4" w., 23" h. Overall
28 3/4"x58 1/2"x18 1/2". Enclosures for 12" or 15" speakers
tunable ducted ports. Each, 28 3/4"x22x18 1/2". Kits with fin-
ishing oil. Assembled, oiled black walnut. See Shpg. Note below.

- | | |
|---|-------------|
| 1 L2ZF. 3-pc. Ensemble Kit. 280 lbs. | 294.95 |
| 2 L2ZF. 3-pc. 100E/b Assembled Ensemble | 459.95 |
| 3 ZF. K61/b Eqpt. Cabinet Kit. 160 lbs. | 174.95 |
| 4 ZF. 161/b Assembled Eqpt. Cabinet. 155 lbs. | 279.95 |
| 5 ZF. K62/b Spkr. Encl. Kits. 120 lbs. | Pair 124.95 |

B "Design Ten" 3-piece contemporary ensemble

274⁹⁵
Kit form

*Uniquely slanted panels . . record
drawers on ball-bearing slides*

Bold contemporary lines highlight the natural beauty of matched
grain, premium-grade walnut. Full-width lift top. Changer section,
18 3/4" w., 15" deep. Receiver and tape sections each, 18 3/4" w.,
15 1/2" deep. Record drawers each, 12 1/2"x16 1/2"x14 1/2". Overall
cabinet, 29 1/2"x58 1/2"x19". Enclosures for 12" or 15" speakers with
tunable ducted ports. Each, 29 1/2"x19 1/2"x19". Kits ready-to-finish,
with finishing oil. See Shpg. Note below.

- | | |
|---|-------------|
| 40 B 6238 L2ZF. Ensemble Kit. 280 lbs. | 274.95 |
| 40 B 6217 L2ZF. 11E. Assembled Ensemble. 280 lbs. | 424.95 |
| 40 B 6218 ZF. K101. Eqpt. Cab. Kit. 160 lbs. | 164.95 |
| 40 B 6219 ZF. 111. Assembled Eqpt. Cab. 160 lbs. | 259.95 |
| 40 B 6220 ZF. K102. Spkr. Encl. Kits. 120 lbs. | Pair 114.95 |



Kit form **259⁹⁵**

Barzilay "Design Five" 3-piece ensemble

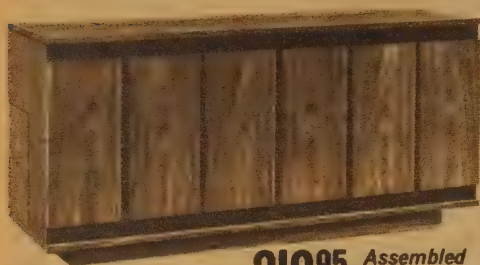
Features truly distinctive, sliding tambour doors. In kit-form
with finishing kit supplied; or assembled with walnut veneer
and solids. Cabinet 48" w. Record player drawer, 20" w., 15" dp.
Receiver section, 20" w., 24 1/2" h. Enclosures for up to 15" speakers
with tunable ducted port, deluxe grille, are 29x24x18". Tambour
door cabinet, 29x48x18". See Shpg. Note below.

- | | |
|--|-------------|
| 40 B 6226 L2ZF. Ensemble Kit. 265 lbs. | 259.95 |
| 40 B 6227 L2ZF. 700E Assembled Ensemble. 265 lbs. | 389.95 |
| 40 B 6228 ZF. K71 Eqpt. Cabinet Kit. 110 lbs. | 159.95 |
| 40 B 6229 ZF. 761 Eqpt. Cabinet, Assembled. 135 lbs. | 219.50 |
| 40 B 6230 ZF. K72 Spkr. Encl. Kits. 160 lbs. | Pair 114.95 |

SHIPPING NOTE: All furniture above sent truck or express from factory in California. Allow at least
45 days for delivery. Shipping charges collected by carrier. Sorry, no C.O.D.

Luxurious hi-fi furniture for your home

Barzilay Contemporary Console



219⁹⁵ Assembled and finished



Model H-20 Beautiful one-piece console features clean styling. Genuine walnut, oiled walnut finish throughout. Unique positioning of speakers offers wide-dispersion, reflected sound pattern... speakers face rear at 45° angle. Full length lift top. Overall size, 27 1/2"x60"x18". Upper left (tape), 17 1/4" wide, 15 3/4" deep. Center (receiver), 18 1/4" w., 7 1/2" d. Upper right (turntable), 17 3/4" w., 15 3/4" d. Center storage in front, 18 1/4" w., 9" d.; storage at right center, 5 1/4" w., 15 3/4" d. Accommodates 12" speakers only. Sent from California. See Shpg. Note below.

40 B 6237 ZF. Shpg. wt. 180 lbs. **219.95**

Barzilay Spanish Console



239⁹⁵ Assembled and finished

Model H-31. Handsome one-piece Spanish console holds hi-fi components in style. Genuine oak console with tawny finish. Offers unique positioning of speakers for wide-dispersion—speakers face rear at 45° angle. Full length lift top. Overall size, 27 1/2"x64"x18 1/2". Upper left (tape), 17 1/4" w., 15 3/4" d. Center (receiver), 18 1/4" w., 7 1/2" d. Upper right (turntable), 17 3/4" w., 15 3/4" d. Center storage in front, 18 1/4" w., 9" d. at right center, 5 1/4" w., 15 3/4" d. Accommodates 12" speakers only. Sent from California. See Shpg. Note below.

40 B 6238 ZF. Shpg. wt. 190 lbs. **239.95**



Easy component access



389⁹⁵

Rockford 3-piece Mediterranean Ensemble

Fully assembled, elegantly styled genuine oak. Tawny oak finish. Full length lift top. Panel behind left door permits mounting of components; may be cut to double LP storage. Stores 150 LP's. Upper left, 19x16 1/2", adjustable height right inside (changer), 6 1/2"x19x16 1/2". Hi-fi cabinet overall, 42x19". Each speaker enclosure, 30 1/2"x20 1/2"x19 1/2". 12" speaker, 12" with adapter incl. Sent from Rockford, Ill.

40 B 6206 L3ZF. 3-Pc. Ensemble. Shpg. wt. 284 lbs. **389.95**
40 B 6207 ZF. 922 Cabinet Alone. 142 lbs. **142.95**
40 B 6208 ZF. 982 Speaker Enclosure. 71 lbs. **71.95**



Lift top



399⁸⁵

Gamber-Johnson 3-piece Colonial Ensemble

Genuine maple veneers and solids with harvest maple finish. Full length lift top. Cabinet size overall, 27 1/2"x59"x18 1/2". 14x18 1/2"x14 1/2". Sides, 9x17 1/2"x14 1/2". Record storage for 150 LP's. Each speaker enclosure, for 12" or 15" speaker 20 1/2"x18 1/2". Sent from Stevens Point, Wis.

40 B 6202 L3ZF. 3-Pc. Ensemble. 3-Sec. Cabinet. 238 lbs. **238.95**
40 B 6203 ZF. Model 924. 3-Section Component Equipment Cabinet Alone. Shpg. wt. 142 lbs. **142.95**
40 B 6205 ZF. Model 921. 2-Section Equipment Cabinet Alone. Shpg. wt. 105 lbs. **105.95**
40 B 6204 ZF. 922 Speaker Enclosure. 48 lbs. **48.95**

Mediterranean-style Record Cabinets

A Hexagonal Pecan-Oak Veneer Cabinet. Dramatically styled in a distinctive hexagonal shape with luxurious veneers. Two swing-open doors with magnetic latches. Provides storage space for up to 200 of your favorite long-playing records. Hand-woven lattice veneer on doors; antique finish hardware. Record rack is removable. 21x28x24".

40 B 6215 Z. Shpg. wt. 52 lbs. **69.95**

B Solid-Oak Veneer Cabinet. Elegant styling in a cabinet that is truly functional. Carefully constructed and superbly finished in rich pecan. Easily maintains a high lustre. Extra-large storage space holds up to 200 long-playing records. Boasts two strikingly detailed doors, period-matched hardware. Size, 25x28x16".

40 B 6216 Z. Shpg. wt. 50 lbs. **59.95**



A

69⁹⁵



B

59⁹⁵

SHIPPING NOTE:

Ensembles and consoles sent truck or express from factory. Allow 45 days for delivery. Shipping charges collected by carrier. Sorry,

Temporary style furniture for hi-fi components . . . at low prices



less components

3-pc.
kit **139⁹⁵**

All sections 18" w.
A: 23" h, 16 1/2" d with
adj. shelf. B: 9 1/2" h,
16 1/2" d. C:
13" h, 16 1/2" d.



less components

Modern open bench design that is a multitude of hi-fi equipment

cabinet that combines function and beauty. room for everything . . . houses hi-fi com- records or books in an open shelf design for display and easy accessibility. Gently Danish Modern styling with rich, walnut laminated vinyl surface. Shipped knocked-assembles in minutes for a professional appearance with just a screwdriver. Receiver order storage section with adjustable shelf. 15"; turntable section with pullout platform. 1/2x15"; speaker sections, each 26x14 1/2x14". dimensions, 30 1/2x69 1/2x17".

1 Z. Shpg. wt. 119 lbs. **99.95**

Allied 3-pc. ensemble in popular Contemporary design completely finished and ready to assemble in minutes

Save \$14.95 when you buy complete 3-pc. ensemble. Equipment cabinet provides ample space for receiver or amplifier, plus record changer, a small TV set or tape recorder and LPs. Assembles with just a screwdriver. Cabinets are 3/4" construction with textured walnut grained vinyl laminate finish. Sliding doors have black leatherette contrasting panels. Turntable compartment has ball-bearing pullout shelf. Record compartments each hold 100 records, have removable record supports. Speaker enclosures are precut for 15" speakers; adapters for 12" speakers also included. Allied 1535 equipment cabinet, 27 1/2x38 3/4x17 1/2" Allied 1536 speaker enclosures, each 27 1/2x17 1/2x17 1/2". *Sent from Stevens Point, Wisconsin.

40 B 5201 L2ZF. 3-piece Ensemble. Shpg. wt. 167 lbs. **139.95**

40 B 5202 ZF. Model 1535 Equipment Cabinet. 76 lbs. **69.95**

40 B 5203 ZF. Model 1536 Speaker Enclosure. 91 lbs. **Pair 84.95**



A 19⁹⁵

24⁹⁵ B

C 29⁹⁵

Wide variety of cabinets at low Allied prices

oy Cabinet. Surprising low. Smooth-sliding doors con- prange space for 225 LPs. contemporary styling in wal- finish on hardboard. Stain ar-resistant. Assembles in with just a screwdriver—no tools required. Overall, 25 1/2x

4 X. Shpg. wt. 41 lbs. **19.95**

rn Colony Record Cabinet. rn styling highlighted by sliding doors with handcrafted nce. Holds a big LP collection 275. Walnut-like finish on d. Assembles easily with only driver. Size, 21 1/2x46x15 3/4". 3 U. Shpg. wt. 56 lbs. **24.95**

C Universal Cabinet. Finely-crafted cabinet houses hi-fi components, records and books. Walnut-like finish on hardboard. Component shelf section, 9x15" deep. Sliding doors conceal storage space for 300 LPs, plus books. Record storage section, with dividers, 15x15" deep. Assembles with just a screwdriver. Overall, 36x30x15".

40 B 6210 X. Shpg. wt. 33 lbs. **29.95**

D Record Box. Unique cube with lift-top holds 65 long-playing records. Walnut-grained vinyl on hardboard. Several cubes can be combined to form a table or bench design. Inside dimensions, 14x14x14"; overall, 15x15x15".

40 B 6211 X. Shpg. wt. 13 lbs. **14.95**

E Compact Record Cabinet. Sleek modern styling that's really functional. Here's ample storage for a huge LP collection—holds up to 125 records. Walnut-like finish on hardboard is mar-resistant; chrome legs. Overall, 24x23x16".

40 B 6212 X. Shpg. wt. 25 lbs. **11.95**



14⁹⁵



11⁹⁵

SHIPPING NOTE: Sent truck or express from factory. Allow at least 45 days for delivery. Sorry, no C.O.D.

Allied 3-piece 55-watt Music Center offers total stereo enjoy



Just look at all these
superior features!



Oiled walnut-finish cabinet
4-speed automatic turntable
Molded styrene dust cover
Magnetic stereo cartridge
Solid-state stereo FM-AM
Main/remote speaker switch
Stereo tape cassette recorder

Save
\$49.90

Music Center with two
10" speaker system

399⁹⁵

Music Center Alone

349⁹⁵

Records and plays stereo cassettes . . plays records . . stereo F

Model 1450. One of our best all-time sellers, the 1450 represents one of the finest ever in a complete home stereo music system. Gorgeous styling you would want at home, plus performance to satisfy the stereo enthusiast. Luxurious all-wood cabinet atop record cabinet or coffee table . . has smart oiled walnut finish. Four-speed turntable has magnetic stereo cartridge with diamond stylus for dazzling stereo. Spindles let you option for automatic or manual play. Includes styrene dust cover.

Stereo cassette recorder tapes directly from FM, AM, records, or from your own. Plays back cassettes, stereo or monophonic, with wide-range response. Pop-up tape loading, pushbutton controls, lighted dual recording level meter, separate level push-to-reset digital counter. Stereo FM-AM tuner boasts Field-Effect-Transistor front-end, all-silicon transistors, plus integrated circuits and Automatic Frequency Control for spectacular reception. Dial has unique point-to-light tuning indicator meter assures you of best reception. Stereo FM light. FM Sensitivity 3.0 μ V.

Stereo amplifier has separate bass and treble controls, stereo-mono switch, control. Mike inputs and stereo headphone jack behind hinged panel, tape and line inputs. Output at 4 ohms: 55 watts 1 dB, 45 watts IHF, 17.6 watts per channel frequency Response, 20-30,000 Hz. ± 1 dB. 8 $\frac{3}{4}$ "x26 $\frac{3}{4}$ "x14 $\frac{1}{4}$ ". AC. See page 233 for more. **13 B 5002 Z.** Shpg. wt. 38 lbs. **34 B 5035 L3Z.** With Two 3017 3-way 10" Walnut Speaker Systems. Separately Save 49.90. Shpg. wt. 83 lbs.

NEW! Allied® Modular Stereo . . the concert hall in a package



**Save
\$29.90**

**Music Center with two Allied
8" speaker systems**

279⁹⁵

Music Center Alone

249⁹⁵

Plays all records, stereo or mono . . tunes stereo FM-AM . . 45-watt stereo amplifier

Model 1425. Superb integrated stereo FM-AM tuner, 45-watt amplifier and 4-speed phono system housed in a beautifully finished oiled walnut-wood cabinet. FM tuner circuit features 100% in the front-end for excellent sensitivity and rejection of unwanted stations—assures you of crystal clear sound quality in FM broadcasts. Stereo indicator light automatically indicates when FM signal. Built-in loopstick antenna provides for sharp, accurate pickup of your favorite AM programs. Auto amplification boasts 45 watts of total music power for room-filling volume without distortion. Integrated circuits in specially designed equalizer circuit provide you with absolutely perfect tone balance. Perfectly matched 4-speed automatic turntable assures dynamically balanced motor for precise speeds and rumble and wow. Professional-type low mass pickup arm with premium quality magnetic stereo cartridge permits ultra-tracking, best sound from your records.

Control panel offers sliding bass and treble controls for additional ease of operation. Black-out dial comes to life in color-illuminated radiance when set is switched on, remains quietly unobtrusive when system is off. Also, stereo-phono-aux. switch, high and low filters, AFC for FM, stereo FM, loudness control switch, tape monitor. Front-panel stereo headphone jack, rear-panel FM antenna terminal, input-aux.-tape monitor. Tape output. AC convenience outlet. Output Power: 45 watts total (HF), 16 watts rms per channel. Distortion: 0.5% (at 15 watts output level). Frequency Response: 20-35,000 Hz. FM Tuner: Sensitivity, 4.0 μ V. Selectivity, 120 kHz. Signal-to-Noise Ratio, better than 50 dB. Separation, over 30 dB. 4-8-16 ohms. 18 $\frac{1}{2}$ x18x5 $\frac{1}{8}$ ". AC.

13 B 5001 Z. Shpg. wt. 30 lbs. **249.95**
34 B 5036 L3Z. With Two 3007 8" Speaker Systems. Separately **309.85**—Save 29.90. Shpg. wt. 65 lbs. **279.95**
42 B 2568 X. Dust Cover. Shpg. wt. 2 lbs. **5.95**

See page 331 for full Credit details

Fisher Compacts . . component quality at a low price



299⁹⁵

Great 75-watt Stereo FM-AM/Phono for budget-minded music lovers

Model 115. Get famous Fisher quality in a compact system that offers great stereo. Highly sensitive stereo FM-AM receiver features automatic stereo mono switching. Full array of controls let you adjust for the precise sound quality you want to hear. Main/remote speaker switches. Inputs for phono and tape machines. Stereo headphone jack. Four-speed automatic turntable with magnetic cartridge. Fisher XP-44B two-way walnut speaker systems feature 6" woofer and 3" tweeter. Solid-state circuit for quiet operation. Control center, 4 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x14 $\frac{1}{4}$ ". Speakers, 8 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x6 $\frac{1}{4}$ ". Optional dust cover below. AC. 34 B 5037 L3U. Shpg. wt. 54 lbs. 299⁹⁵
31 B 6046 X. Dust Cover. Shpg. wt. 5 lbs.



329⁹⁵

Features make this 80-watt compact Stereo FM-AM/Phono a superb value

Model 125B. Includes stereo FM/AM tuner with sensitive FET front end, four-speed automatic turntable with magnetic cartridge and two acoustic-suspension speaker systems. Turntable has variable speed pressure control for minimum wear plus anti-skate adjustment and cueing control. Fisher XP-55B two-way speaker systems feature 8" woofer and 3" tweeter for natural full-range sound. Pushbutton loudness contour and mode button. Volume balance, separate bass and treble, 4-way speaker selector. Stereo headphone jack. Control unit, 15 $\frac{1}{2}$ "x14 $\frac{1}{4}$ ". Speakers, 10x20x7 $\frac{1}{4}$ ". AC. 34 B 5038 L3U. Shpg. wt. 60 lbs. 329⁹⁵
31 B 6046 X. Dust Cover. Shpg. wt. 5 lbs.



369⁹⁵

90-watt Stereo FM-AM/Phono pour out big sound from a small space

Model 3056. Delivers the full excitement of your favorite music. Stereo FM-AM tuner has sensitive FET front end. AM has AGC to minimize fading. Four-speed automatic turntable has magnetic cartridge. Features stylus pressure adjustment, anti-skate and cueing control. Two Fisher XP-56 2-way acoustic suspension speakers each have 8" woofer and 3" tweeter for superb response. Volume balance, bass and treble controls lets you adjust to personal tastes. Main and remote speaker pushbuttons. Loudness contour. Stereo headphone jack. Control center, 8 $\frac{1}{4}$ "x17 $\frac{1}{4}$ "x16". Speakers, 11x21x9". AC. 34 B 5040 L3U. Shpg. wt. 65 lbs. 369⁹⁵
31 B 6048 X. Dust Cover. Shpg. wt. 5 lbs.



469⁹⁵

Powerful 90-watt stereo FM-AM/Phono/Cassette Player/Recorder

Model 5055. Complete and versatile Fisher stereo cassette deck with all-pushbutton operation. Has 2 recording meters, digital counter, 2 meters. Stereo FM-AM tuner with FET's. Four-speed automatic turntable with stylus pressure control, anti-skating and cueing device. Two Fisher XP-55B acoustic suspension speakers have 8" woofer and 3" tweeter for 37-20,000 Hz response. Volume balance, plus separate bass and treble controls. Pushbutton controls for: mono/stereo mode, 2 meters, remote speaker selection, loudness contour. Stereo headphone jack. Control unit, 8x23 $\frac{3}{4}$ "x16". Speakers, 10x20x7 $\frac{1}{4}$ ". AC. 34 B 5039 L3U. Shpg. wt. 68 $\frac{1}{2}$ lbs. 469⁹⁵
31 B 6048 X. Dust Cover. Shpg. wt. 5 lbs.

ompacts fill the room with sound . . not equipment



399⁹⁵

SCOTT



339⁹⁵

50-watt FM-AM/Phono . . air-suspension speaker

Model 2506-17. Versatile system features solid-state stereo FM-receiver with FET's. Two air-suspension speaker systems with 8" woofer and 3" midrange/tweeter give full-range response 20-20,000 Hz. Garrard automatic turntable has Pickering magnetic cartridge. Controls: dual bass and treble, balance, volume, on/off for each speaker, volume compensation, stereo/mono selector, Perfectune™. Stereo indicator light. 60 watts power ± 1 at 4 ohms (0.8% distortion). Jacks for mikes, headphones. Receiver/phono, 16x15 $\frac{1}{2}$ x9". Speakers, 18x10 $\frac{1}{2}$ x5 $\frac{1}{2}$ ". AC.

34 B 5042 L2U. Shpg. wt. 61 lbs. **399.95**

50-watt FM-AM/Phono . . air-suspension speaker

Model 2516-14. Listen to your favorite records or stereo FM-AM. Features Garrard automatic turntable with Pickering magnetic cartridge. Solid-state tuner has FET's for great reception. Air-suspension speakers with 6" woofer and 3" tweeter have 50-20,000 Hz response. Controls: dual treble, bass and loudness; mono/stereo mode; tape monitor; on/off for each speaker. Signal strength meter. Stereo indicator light. Jacks for headphones, mike, guitar. Power, 50 watts ± 1 dB at 4 ohms (0.8% distortion). Receiver/phono, 16 $\frac{1}{2}$ x15 $\frac{1}{2}$ x8". Speakers, 16x10x6 $\frac{1}{2}$ ". AC.

34 B 5041 L2U. Shpg. wt. 57 lbs. **339.95**



HARMAN-KARDON



**90-watt Stereo FM-AM/Phono/
Cassette Player/Recorder**

569⁹⁵

Model HPS 6045. Compact includes 4-speed automatic turntable, stereo FM-AM radio, cassette player/recorder and two acoustic suspension speakers. Radio has pushbutton and manual tuning with tuning indicator. Also has automatic controls for on/off, speaker switching, contour and tape monitor. Function switch selects AM, FM, FM stereo, tape cassette, phono and aux. Sliding volume and balance controls. Three sliding tone controls including special mid-frequency tone control. 90 watts IHF, 8 ohms. Main unit, 20 $\frac{1}{2}$ x19x4 $\frac{3}{4}$ ". Speakers, 19 $\frac{1}{2}$ x13 $\frac{1}{2}$ x10 $\frac{1}{2}$ ". AC.

34 B 5044 L3U. Shpg. wt. 84 lbs. **569.95**

**90-watt Stereo FM-AM/Phono
with two tape recorder outputs**

469⁹⁵

Model HPS 6345. Play your favorite records on 4-speed automatic turntable or listen to great stereo FM-AM radio. Two acoustic suspension speakers for full natural sound. Two pair of tape outputs permit use of reel to reel and cassette recorders simultaneously. Pushbutton and manual tuning. Also automatic control for on/off, speaker switching, contour and tape monitor. Sliding volume and balance controls. Three sliding tone controls including special mid-frequency tone control. 90 watts IHF, 8 ohms. Main unit, 20 $\frac{1}{2}$ x19x4 $\frac{3}{4}$ ". Speakers, 19 $\frac{1}{2}$ x13 $\frac{1}{2}$ x10 $\frac{1}{2}$ ". AC.

34 B 5045 L3U. Shpg. wt. 75 lbs. **469.95**

See page 331 for full Credit details . . buy with no money down

119

Enjoy one of these Stereo Home Music Centers
for entertainment with a decorator touch

Realistic Tape/FM-Radio/Phono Center
with oiled-walnut acoustic-suspension speakers

429⁹⁵

- Phono cuing and anti-skate controls
- Tape Counter

Model MC-3000. Powerful 35-watt stereo FM receiver, LAB-12 fast speed record changer with Shure magnetic cartridge and diamond stylus, two acoustic suspension speaker systems, and deluxe record play cassette recorder. Has complement of controls, headset mike jacks, unique "Midnight" tuning dial with stereo beacon lighted center-channel tuning meter.

Recorder offers easy snap-in cartridge loading, dual VU meters and pushbutton-reset tape counter. Response is 20-20,000 Hz, ± 1 dB. FM sensitivity is 3.5 μ V.

Size: radio/phono/recorder, 18 1/4" x 8 1/4" x 17 1/4"; speakers, 10 1/2" x 8 1/4" x 18 1/4". Comes complete with free dust cover, four plug-in speaker cables, and a full proof instruction manual. Order mikes at left.

41 B 1020 Z. Shpg. wt. 55 lbs. . . 42

FREE!

Dust cover with either Center



MC-1000 Microphone

Pencil slim. 10,000-ohm impedance, 100-10,000 Hz. 6' cable, 1/4" plug.

33 B \$90. Wt. 1 lb. . . . \$95



Realistic 30-watt Stereo FM-AM/Phono Music Center

299⁹⁵

- Oiled-walnut acoustic-suspension speakers
- Extruded brushed aluminum front control panel

Model MC-2000. Beautifully styled 30-watt high-fidelity stereo FM-AM tuner with beacon and tuning meter; LAB-12 record changer with anti-skate and cuing controls and Shure magnetic stereo cartridge with diamond stylus; superb oiled-walnut acoustic-suspension speakers with 8" woofers and 3" tweeters.

Response is 20-20,000 Hz, ± 1 dB. FM sensitivity is an excellent 3.5 μ V for 20-dB signal-to-noise ratio. Distortion is under 1% at full 30-watt power. Has stereo tape-deck inputs and outputs. Filter, mode, loudness, bass, treble, volume/AC controls.

Tuner/phono and speakers are in handsome oiled walnut cabinets designed for finest tonal quality. Tuner/Phono, 18 1/4" x 17 1/4" x 9 1/4". Speakers, 18 1/4" x 10 1/2" x 8 1/4". We invite major-brand-name comparison. With free dust cover, speaker cables.

41 B 1010 Z. Shpg. wt. 46 lbs. . . 299.95



Unique Stereo Combinations with latest features and designs

Stereo Phono with 8-track Cartridge Player

139⁹⁵no money
down*

Great value in a compact home entertainment phono/tape combination. Solid-state model offers rich sound and luxurious styling. Drop-down 4-speed changer with low-mass arm for light tracking, automatic intermix and automatic shut-off. 45-rpm spindle, diamond stylus. Tape player lets you enjoy all pre-recorded 8-track tapes. Has lighted channel indicators, manual/automatic track changer, tape/phono switch. Volume and stereo balance controls. Wide-range speaker systems detach to a full 6' spread for wide stereo separation. In handsome charcoal gray cabinet. Size, 21½x15¾x11½". AC.

B 6003 U. Wt. 35 lbs. **139.95**



NEW! Panasonic stereo FM-AM Radio-Phono combination

129⁹⁵no money
down*

Model SE-840. Panasonic's latest! Stereo FM-AM radio with built-in fully automatic speed record changer and ceramic cartridge along with beautiful matching cylindrical speaker systems in walnut wood cabinets. Boasts a full 8-watt solid-state amplifier, auxiliary input for tape recorder, output jack for stereo headphones, FM external antenna connection. Auto tone and balance controls, FM tuning control, illuminated circular tuning dial for both FM and AM. Speaker systems each have 6" full-range speaker, measure 9¾x14x8½". Radio, in handsome walnut wood case with dust cover, 16½x11½". AC.

B 6002 U. Wt. 26 lbs. **129.95**



Panasonic "Princeton" Entertainment Center

199⁹⁵no money
down*

Model SG-999D. Stereo FM-AM radio has AT tuner for high signal-pulling power and low noise, AFC for drift-free FM. Illuminated dial, calibrated tuning meter, stereo selector that mutes all non-stereo stations. Hideaway 4-speed changer rises to position when lid is lifted, eases back to dust-free storage compartment when closed. Has Panasonic's new "Magnistate" cartridge with diamond flipper stylus. Aux. input, tape output. Volume, balance, bass, treble controls, stereo headphone jack. Two 2-way speaker systems, each with 7" woofer and 2½" tweeter. Amplifier has 20-watt peak power. Walnut cabinets, Radio/phono, 18x6x11½", speakers, 13x10x7½". AC.

B 6001 U. Shpg. wt. 40 lbs. **199.95**



See page 331 for full Credit details . . buy with low monthly payments

Realistic "Modulette" Stereo Center with FM-AM radio, phono & cassette recorder provides entertainment for the whole family

Exciting new 3-piece stereo entertainment center features five ways of enjoying sound at one low price. Imagine, a complete home stereo music installation designed to give you the finest sound available on the market today. Actually worth hundreds of dollars more if purchased as separate components. And you get it all in a beautiful compact system that fits anywhere.

Consider these possibilities: You can listen to your favorite programs on AM or FM or stereo FM, play the 4-speed automatic stereo phono, record and play cassettes and play pre-recorded cassettes with the built-in cassette recorder. You can record radio or records onto cassettes—listening to them at the same time through the big full-range walnut-grained speaker systems or optional headphones. You can also record your own action utilizing the two sensitive pencil-slim dynamic microphones.

Our "Modulette" offers illuminated slide-rule tuning, dual VU meters, a digital tape counter, and stereo beacon plus complete cassette controls (eject, rewind, stop, play, fast forward, and

record). There are controls for AM, FM, stereo-FM, Phono, Tape plus volume, balance, and tone controls. Includes two inputs and remote, earphone and auxiliary jacks. On/off monitor switch. Built-in AM ferrite and FM line cord antenna. Center section, $8\frac{1}{2} \times 19\frac{1}{2} \times 13\frac{1}{2}$ ". Each speaker, $15 \times 10 \times 5$ ". A 13 B 1173 U. Shpg. wt. 45 lbs.

42 B 2999. 45-rpm Spindle. Shpg. wt. 8 oz.

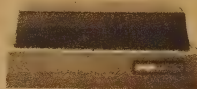
SPECIFICATIONS

STEREO CASSETTE. $1\frac{1}{2}$ ips. AC bias, AC erase. Wo Flutter: 0.4%. S/N Ratio: 40 dB. Cross-talk: track-to-track, 1. Input: 600 ohms. Auxiliary Input: 2.2 megohms. **PHONOGR** Ceramic Cartridge: 8 grams stylus pressure. Intermixes 7 12" records. Plays $16\frac{3}{4}$, $33\frac{1}{4}$, 45, 78 rpm records. **STERE** **TUNER.** Line cord antenna. 300 ohm external connection. **TUNER.** Tunes 540 to 1600 KHz. 300 μ V/m sensitivity. Output: 18 watts.

249⁹⁵

Complete Stereo Compact System!

FREE!



Custom
Protective
Dust Cover
Included



**NEW
FOR 71**

Our deluxe Stereo FM-AM Phono Compact brings you top-quality performance and saves you the trouble of selecting components



REALISTIC

Everything you need for stereo enjoyment . . at much less than the cost of a component system

179⁹⁵

- 4-speed BSR changer
- Solid-state with FETs
- Oiled-walnut cabinets

Now you can enjoy the sound and performance advantages of a component system without the complex job of choosing and matching individual components. This stereo compact system is complete with everything you need for the enjoyment of magnificent sound reproduction.

The center section combines controls, power amplifier, AM/FM-stereo tuner and BSR MA65 changer. Changer has four speeds, 11" platter, cuing, and diamond stereo cartridge. Two separate wide-range speaker systems give excellent response and separation. Connect easily to the center section for instant entertainment.

Features slide-rule FM/AM dial, tone control, high level auxiliary input plus tape output jacks and external FM antenna terminals. Center section, 16 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x7 $\frac{1}{2}$ ". Each speaker, 8x5 $\frac{1}{2}$ "x12 $\frac{1}{4}$ ". 13 B 1045 U. Shpg. wt. 45 lbs. 179.95



REALISTIC

22-watt Stereo Compact with deluxe Lab-12 changer . . the basic stereo building block

159⁹⁵

- Full-range acoustic suspension speakers
- Magnetic cartridge

The last stereo system you'll ever need to buy! Separate bass, treble, balance and volume controls, stereo inputs for tuner or tape recorder, stereo headphone jack, mode and auxiliary switches, all solid state circuit. There's even a speaker selector switch for adding remote speakers and playing local, remote, or both.

Features Lab-12 changer with non-resonant tone arm, stylus pressure adjustment, cuing, anti-skate control, pause control, and a Realistic/Shure diamond magnetic stereo cartridge.

In three handsome solid wood cabinets to match any decor. Center section, 21x14 $\frac{1}{2}$ "x7 $\frac{1}{2}$ ". Each speaker, 9 $\frac{1}{2}$ "x4 $\frac{1}{2}$ "x15 $\frac{1}{2}$ ". 13 B 1138 U. Shpg. wt. 45 lbs. 159.95
42 B 3000. 45-rpm Spindle. Wt. 8 oz. 99¢
42 B 2568 X. Custom Dust Cover. Wt. 2 lbs. 5.95

NEW! Realistic value-priced Stereo Compacts give great sound



REALISTIC

Beautiful new Stereo Compact System performs with the best

99⁹⁵

- Reliable solid-state circuit
- Acoustic-suspension speakers
- Handsome walnut-finish cabinet

Model MC-800. A great new high-style compact system at a low Allied Radio Shack. Has many audiophile features usually found in higher priced systems. A famous British-made 4-speed automatic changer with full-feature four-speed automatic changeover care of your valuable records.

Features precision-balanced turntable, mass pickup arm for accurate tracking, diamond-stylus ceramic cartridge. Solid-state circuit provides smooth, wide-range response. Separate bass and treble controls let you tune to your taste. Stereo headphone jack for private listening.

Matched pair of acoustic suspension 8" speakers in walnut-finish cabinets. Replaces 80-14,000 Hz. Changer and dust cover, 16 1/2". Each speaker measures 9 1/2"x8x16 1/2". Listed, A.C.

13 B 1185 U. Shpg. wt. 29 lbs.
42 B 3000. 45-rpm Spindle. 6 oz.

REALISTIC

Stereo Compact System gives excellent performance at a budget price

69⁹⁵

- High-quality 4-speed changer
- Matching wide-range speakers
- Handsome walnut-finish cabinet

Model MC-700. A tremendous value in a compact priced system that doesn't skimp on performance. Features a famous British-made 4-speed automatic changer with low-mass tubular arm and ceramic stereo cartridge with quality sapphire stylus. Automatic operation.

Has separate volume, tone, and stereo balance controls mounted on a beautiful brushed aluminum panel slanted back for operating convenience. Headphone jack for private listening.

Enclosed in handsome walnut-finish cabinet to match any decor. Changer with dust cover, 14 1/2"x12 1/2"x6 3/4". Each speaker, 7 1/4"x5x12 1/2".
13 B 1184 U. Shpg. wt. 23 lbs.
42 B 2999. 45-rpm Spindle. 6 oz.



Realistic feature-packed Stereo Portables at low prices



"Arlington" Stereo Phono with Stereo FM-AM

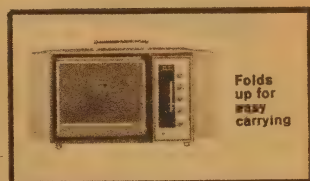
Well-known British 4-speed automatic changer
Each speaker has woofer and tweeter
Includes headphone jack • AFC on FM

129⁹⁵

For stereo phonograph, take two wide-speaker systems, add AM, FM, and a radio and you've got the "Arlington"—total audio entertainment center designed exclusively for easy listening. Solid-circuit and British-made 4-speed auto-changer provide reliability and high-sound. Features five audiophile functions: function switch, balance, tone, loud-

ness, and tuning. There's also a stereo FM beacon. Headphone jack for private listening. AFC prevents station drift on FM. AGC on AM for even volume. The scuff-resistant cabinet is beautifully luxurious—down to the die-cast handle. Center section, 21 1/4"x13"x7 1/4". Each speaker, 12 1/4"x6 1/2"x3 1/2". AC.

13 B 1177 U. Shpg. wt. 35 lbs. 129.95
13 B 999. 45-rpm Spindle. Wt. 6 oz. 2.99



Folds
up for
easy
carrying

Garrard "solid-state Stereo 800" convenient size lets take the action along

Garrard 4-speed automatic
changer, diamond stylus
—range speaker systems

89⁹⁵



"800" is high-style stereo at a surprising price. The tilted carry-handle and easy AC cord give you the convenient portability. "Instant-On" all-transistor solid-state circuitry provides reliable sound even after rough handling. Two woofers and two 3 1/2" tweeters, paired in separate molded plastic enclosures, give you frequency range seldom heard in a

stereo portable. With diamond stylus in a ceramic cartridge, a light pickup arm that locks in place for travel, and a Garrard 4-speed automatic changer that intermixes 10" and 12" records. Separate bass, treble, volume, and stereo volume controls. Black, chrome-trim pyroxylin case, 25x14 1/2"x8". AC.

13 B 1175 U. Shpg. wt. 23 lbs. 89.95
13 B 999. 45-rpm Spindle. Wt. 6 oz. 2.99



Folds up
... goes
anywhere

Available on convenient Credit Terms . . . see page 331

Realistic feature-packed portable Stereos . . best buys anywhere



"Cambridge" component-styled Stereo Phono with detachable wing speakers

74⁹⁵

- British-made 4-speed changer
- Hinged plastic dust cover
- Bass and treble controls
- Stereo headphone jack

"Cambridge" isn't as expensive as it looks. We think we have succeeded in producing a portable stereo phonograph with the appearance and performance of a costly component turntable. This is the perfect mating of beauty with the sounds and looks of a component system that produces great-sounding music.

Two detachable hi-fi speakers deliver a wide range of sound in almost any acoustic environment. "Instant-on" solid state circuitry affords the best performance and protection from handling. A precision-crafted BSR turntable plays 7, 10 and 12" mono or stereo records at 16 $\frac{2}{3}$, 33 $\frac{1}{3}$, 45 or 78 rpm. Gives the smooth, constant-speed operation characteristic of expensive changers and can be operated manually or automatically for added convenience.

Features separate controls for bass, treble, volume, and stereo balance. A transparent smoked-plastic dust cover protects the turntable at home or in transit. Size, 27 $\frac{1}{2}$ "x14"x7". A 13 B 1178 U. Shpg. wt. 23 lbs. 42 B 3000. 45-rpm Spindle. Wt. 8 oz.

Enjoy great stereo sound wherever, whenever you want!

"Berkeley" 4-speed automatic Stereo Phono

The "Berkeley" emphasizes the very best sound in a portable at a budget price. Here's a "tilt-down" automatic changer that plays 7, 10 and 12" records and shuts off after last record. Detachable speakers lock in place when you travel. This beautiful beige and brown phono looks great at home, at parties, or in the dorm. It's com-

pletely solid-state with balance, tone, volume controls. The changer folds out of the way when you travel and "tilts down" ready for hours of musical enjoyment when you've reached your destination. 22x14 $\frac{1}{2}$ "x9". AC.

13 B 1174 U. Shpg. wt. 22 lbs. 42 B 2999. 45-rpm Spindle. 8 oz.



59⁹⁵

Stereo music at a price you can afford

Realistic lightweight low-price portable Phonos go anywhere

PLAY AM Radio/Phono Combination

Speed mono phonograph
Solid-state AM radio
Operates on AC or batteries

Offering new entertainment value! Realistic gives you the best of two worlds in the "PORTI-PLAY". Lets you listen to any of your records or your favorite radio programs. Operates on AC house current or batteries; you can use it on the beach, while camping or traveling, where AC is not available.

Solid-state circuit and sturdy construction withstand the rigors of long use and Metal turntable with heavy-duty motor records smoothly at the proper speed. Built-in 45-rpm spindle and lightweight arm that locks in place for travel. AM has semi-slide rule tuning for easy selection and crystal-clear reception.

Flipover cartridge plays mono or stereo 12" records at 33 $\frac{1}{3}$, 45 and 78 rpm monophonically. Walnut-finish styrene case. Comes with four "D" cell batteries and AC line cord. Size, 12x12x3".

33 X. Shpg. wt. 4 lbs. **29.95**

29⁹⁵

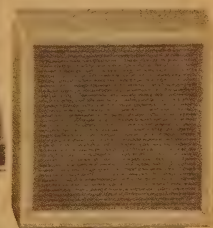
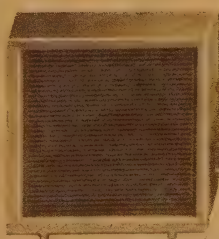


Low-priced Stereo Phono with separate speakers

29⁹⁵

Realistic's least expensive stereo phonograph. Compact and easy to go with you anywhere. Features solid-state circuit for instant warm-up, detachable speakers that can be separated up to 8 feet. Built-in 7" platter plays all records. Manual operation. Sapphire stylus. Scuff-resistant polypropylene case. Built-in 45 rpm spindle. AC or batteries. 6x6x3". Amplifier, 7". Shpg. wt. 8 lbs.

48 X. **29.95**



Solid-state Stereo Phono with detachable speakers



44⁹⁵

Designed for students and travelers. Delivers quality sound. The cabinet folds into a scuff-resistant carrying case by fitting the 5" speakers over the turntable. Automatic changer plays all speeds, sizes and shuts off after each record. Dual sapphire stylus, solid-state amplifier. Two volume controls. Separable up to 20 ft. 6 $\frac{1}{2}$ x12 $\frac{1}{2}$ x9 $\frac{3}{8}$ ". AC or batteries.

47 X. Shpg. wt. 9 lbs. **44.95**

49. 45-rpm Spindle. Shpg. wt. 8 oz. **99¢**

Lightweight portable mono phono

17⁹⁵



Features a front-mounted 5x3" speaker that delivers full, rich sound, built-in 45 rpm spindle, lightweight retractable pickup arm and a constant speed motor. Plays 7, 10 and 12" records at 45 or 33 $\frac{1}{3}$ rpm. Handsome, impact-resistant molded plastic case. Size, 13x5x10". AC or batteries.

13 B 1134 X. Shpg. wt. 6 lbs. **17.95**

Now on convenient Credit Terms . . see page 331

Turn the crowd on to folk, rock, or do your own special thing



2-pickup acoustic Guitar,
20-watt Amplifier Outfit

Save \$30.00 **99⁹⁰**

Separately, \$129.90. Guitar has on-off, volume, tone controls. Torsion bar, adjustable roller bridge. 39x15x1 1/2". 20-watt peak amp has tone, tremolo depth, speed controls. 3 inputs. 8" spkr. 16x17x6". Accessories shown.

65 B 6026 L2 UF. Shpg. wt. 22 lbs. **99.90**

65 B 6001 UF. Guitar, Case, Access. Shpg. wt. 10 lbs. **69.95**

65 B 6002 UF. Amplifier Alone. Shpg. wt. 12 lbs. **59.95**



2-pickup solid-body Guitar,
10-watt Amplifier Outfit

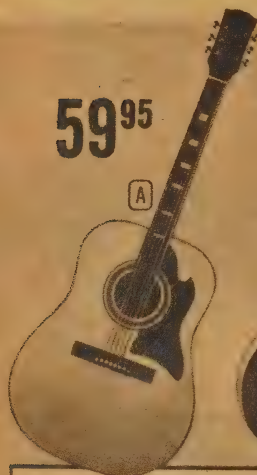
Save \$20.00 **79⁹⁰**

Separately, \$99.90. Guitar has volume, tone, on-off controls. Torsion bar. Bridge and neck adjust. 38x12x1". 10-watt peak amp has volume, tone controls. 3 inputs. 6" spkr. 12 3/4x15 1/4x5 3/4". Accessories shown.

65 B 6025 L2 UF. Shpg. wt. 22 lbs. **79.90**

65 B 6003 UF. Guitar, Case, Access. Shpg. wt. 10 lbs. **69.95**

65 B 6004 UF. Amplifier Alone. Shpg. wt. 10 lbs. **59.95**



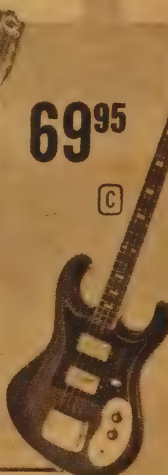
59⁹⁵

(A)



79⁹⁵

(B)



69⁹⁵

(C)



69⁹⁵

(D)



39⁹⁵

(E)

All guitars
include case,
book and pick



(C) Solid-Body 2-Pickup Bass Guitar. Designed to deliver robust and heavy bass sound that makes the heart of a rock band. Separate volume and tone controls let you control the sound while you play it. Adjustable maple neck and smooth playing rosewood fingerboard. Tortoise-shell plastic pick guard. Red sunburst finish. 44x14x1 3/4".

65 B 6007 UF. Shpg. wt. 10 lbs. **59.95**

(A) Jumbo Folk/Country Guitar. Has the deep mellow tone just right for folk and country music. Steel reinforced neck has inlaid position markers and fast-action design for smooth easy playing. Wood specially selected and aged for acoustic and resonant qualities. Spruce top and rosewood back and sides. Tortoise-shell plastic pick guard. 41 1/2x16x4 1/2".

65 B 6005 UF. Shpg. wt. 12 lbs. **59.95**

(B) 2-Pickup Acoustic Rosewood Guitar. Has the features you need for today's exciting rock sounds. Pickups have separate on-off volume and tone controls. Fast-action precision slide switches. Chrome-compression tremolo. Adjustable roller bridge and steel reinforced neck. Rosewood-finish body and fingerboard. Inlaid position markers. 42x16x1 1/2".

65 B 6006 UF. Shpg. wt. 15 lbs. **79.95**

(D) 2-Pickup Beatle Bass Guitar. Gives the hard driving sounds for today's heavy beat music. Features the look of the Hoffman style made famous by the Beatles. Volume and tone controls plus adjustable pickups give perfect quality and balance for each song. Adjustable bridge with Extended neck, 21 fret rosewood fingerboard. 43x12x1 1/4".

65 B 6008 UF. Shpg. wt. 15 lbs. **69.95**

(E) 5-String Banjo. Has the sparkling tone that will liven up folk, bluegrass or country group. Mahogany resonator sound from escaping through back to give extra volume and tone quality. Fast action adjustable steel reinforced neck rosewood fingerboard with inlaid markers. Mahogany rosewood hand rest and bridge. 39x14x1 1/2".

65 B 6009 UF. Shpg. wt. 15 lbs. **39.95**

Musical Instrument Amplifiers for today's heavy beat sound

360° music-dispersion Speaker-Amp
creates a full circle of musical fun

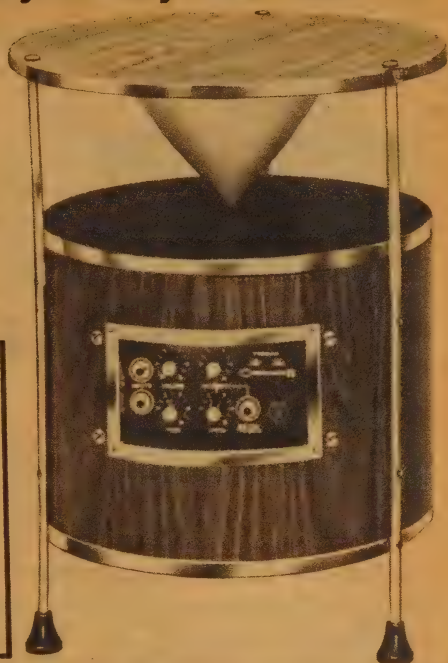
Perform in the center of your audience . . . give every listener an exciting sense of involvement impossible from a distant stage

of its kind! Omnidirectional unit lets your
 ence "get involved" with the full excitement
 our music. Full 360° cone radiates sound in
 plete circle so you can play in the center of
 audience, not from a distant stage. Tremolo
 speed and intensity controls let you create
 d-bending psychedelic effects. Volume and
 i controls for matching the sound to each song
 the room acoustics. Two inputs for playing
 instruments through amp simultaneously so
 can combine lead and rhythm sections.
 d-state circuitry for cool reliable operation.
 nolo footswitch jack. 20-watt peak power.
 ber tipped chrome legs. Optional extension
 aker below lets your music cover twice as
 h area. Walnut wood-grain body. 15x20".
6010 UF. Shpg. wt. 15 lbs. **79.95**
6011 UF. Extension Speaker. Cords for amp
 i-fi set. Shpg. wt. 10 lbs. **49.95**

79⁹⁵



Extension Speaker



35-watt Piggyback Amplifier
has three instrument inputs

89⁹⁵



75-watt Piggyback Amplifier
for today's hard rock music

169⁹⁵



Padded 90-watt Piggyback
Amplifier with two channels

199⁹⁵

id-state 35-watt peak amp will power
 r combo for that full lively sound
 red to turn on the jet set. Built-in
 nolo and reverberation give you the
 at electric effects of the "now sound."
 array of controls give you wide range
 sounds to match each song and dif-
 nt room acoustics perfectly. Has vol-
 e, bass, treble, tremolo depth and
 ed controls. Two rugged 8" speakers
 iver the full impact of today's rock.
 itswitch jack. Amp, 4x15x5½". Speaker
 closure, 26x15x8". AC.
6012 UF. Shpg. wt. 30 lbs. **89.95**

Rugged amp delivers 75-watt peak power
 for the heavy and hard rock sounds of
 today's music. Built-in tremolo and re-
 verb let you turn your audience on to
 psychedelic sound effects. Pulsating in-
 dicator light shows the speed of the
 tremolo. Separate bass and treble con-
 trols for custom tone quality. Has tilt-back
 legs to "aim" your sound. Solid-state
 design for top dependability. Inputs for
 two instruments and one mike. Two 10"
 speakers and HF horn in 28x22x9" en-
 closure. Amp, 6x22x9½". AC.
65 B 6013 L2 ZF. Shpg. wt. 55 lbs. **169.95**

Deluxe amp gives you the power to hold
 outdoor or auditorium concerts. Delivers
 full 90-watt peak power. Two channels
 let you divide lead section from rhythm
 section with different volumes and sound
 effects. Reverb, tremolo speed and depth,
 controls on one channel. Separate vol-
 ume, bass and treble controls. Two big 12"
 speakers in thickly padded vinyl cabinet
 pour out rich clean bass even at full pow-
 er. Has 4 inputs. Mounted on casters for
 easy mobility. Amp, 6x17½x6½". Speaker,
 29½x17½x11". AC.
65 B 6014 ZF. Shpg. wt. 70 lbs. **199.95**

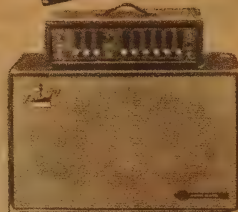
SHIPPING NOTE: All items on these two pages are sent truck or express from the manufac-
 turer's Chicago warehouse. Shipping fee collected by carrier. No C.O.D.

Our finest selection ever of Musical Instrument Amplifiers



A
349⁹⁵

B
119⁹⁵



C
329⁹⁵



D **49⁹⁵**

A Solid-state 250-watt* Amp with four 12" Speakers

Features 8 instrument input jacks, plus three separate channels. Stereo/mono switch, foot switch for reverb and tremolo, ground reversing switch. Bass, treble, high color controls. 30-15,000 Hz. Four 12" speakers, two per cabinet. Amp, 7x24x8". Speakers, 40x18x9". AC.

65 B 6015 L2ZF. Shpg. wt. 160 lbs. **349.95**

B 50-watt* piggyback bass Amplifier

Piggyback bass amplifier provides fine sound through two 12" speakers. Includes two inputs; volume, bass, treble controls; speaker jack; pilot light; fuse. Circuit employs seven transistors, 2 diodes. Amplifier, 4 1/2 x 17 1/2 x 9". AC.

65 B 6016 UF. Shpg. wt. 38 lbs. **119.95**

C 200-watt* Amp with pre-sensing guitar equalizer

High-powered solid-state amplifier features exclusive pre-sensing device with meters to match the amp to the pick of any guitar for distortion-free performance. Two heavy-duty 15" speakers. Bass, treble slide switches. Special effects, reverb, tremolo. 23x11x7". Speakers, 35x24x12". AC.

65 B 6017 L2ZF. Shpg. wt. 78 lbs. **329.95**

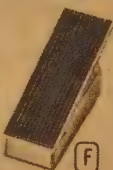
D Solid-state 25-watt* Amp with reverb control

Full-feature amplifier delivers full sound from 8" speaker. Separate reverb and tremolo controls with 3 instrument inputs, on-off switch, pilot light, fuse, volume control, tone control, depth control. Frequency response: 60-10,000 Hz. AC.

65 B 6018 UF. Shpg. wt. 20 lbs. **49.95**

*MUSICAL INSTRUMENT AMPLIFIERS RATED AT PEAK MUSIC POWER

Accessories designed to give your group the "now" sound



E 12-voice Rhythm Box

Exciting solid-state rhythm box provides 12 voices to add to your group's sound: hard rock, slow rock, bossa nova, cha-cha, tango, mambo, samba, swing, fox trot, rhumba, waltz and march. Has volume, soft-sharp, low-quick controls. Foot switch. 6 1/2 x 20 x 6 1/2". AC. Shpg. wt. 20 lbs.

65 B 6019 UF. **169.95**

F Solid-state Wah-Wah Pedal

Solid-state wah-wah pedal creates really unique sounds. Turns on automatically with amplifier for a sensational psychedelic effect. Durable chrome-plated base, rubber pedal. Complete with 9-volt battery and cord. Shpg. wt. 3 lbs.

65 B 6020 XF. **32.95**

G Solid-state Reverberation Unit

Solid-state reverb adds a new sound and exciting effects when used with your amp. Has inputs for one mike and one instrument. Also includes foot switch control, amp jack. Reverb depth and tone control. Comes with rugged case. 3 1/2 x 12 x 5". AC. Wt. 6 lbs.

65 B 6021 XF. **32.95**

H Exciting sound effects Pedal

Bring your group's sound really up-to-date with the "turned-on" sound of this unique instrument. Produces sensational variety of effects, including the roaring sound of surf, typhoon winds and sirens. Durable, chrome-plated base, rubber pedal. Solid-state. All cables. Wt. 4 lbs.

65 B 6022 XF. **32.95**

J Psychedelic Black Light

"Turn-on" with fantastic black light that produces weird effects in a darkened room. Light colors radiate glow while most dark colors can be seen at all! Includes "black light" paint. Chrome handle. 40 watts. AC.

65 B 6023 XF. Wt. 13 lbs. **49.95**

K All-metal solid-state Fuzz

Saucer-shaped unit introduces a new "fuzzy" sound effect to your amplifier. Attack control varies effect. Volume control; foot switch. 3 transistors. Input and output jacks. 1/2" connecting cable and 9-volt battery. 5 1/4" dia. Shpg. wt. 2 lbs.

65 B 6024 XF. **19.95**

SHPG. NOTE:

All items on this page sent (separately from any other items on your order) from manufacturer's Chicago warehouse. No C.O.D. Shipping fee collected upon delivery by carrier.

Musical Instrument Speakers by Utah... built to withstand the severe power peaks delivered by today's amplified music

Utah 15" Musical Instrument Speaker

Here's tremendous power capacity, great performance and a value-smashing price

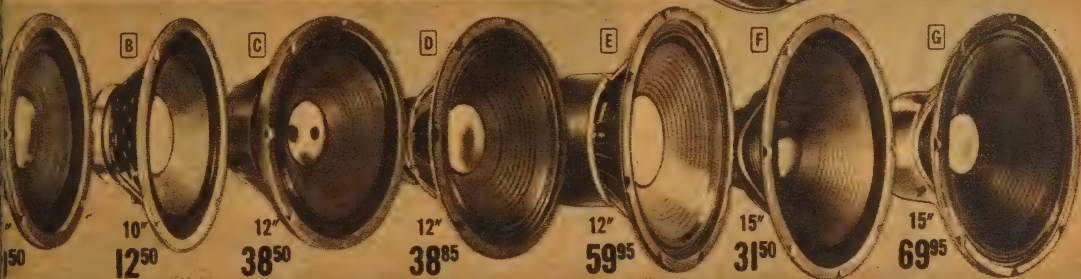
Model MS-1564B. Massive speaker has full 125-watt peak power handling capacity. Really belts out the bass—handles the punishing power and low-end frequency range of a bass guitar even through high-output amplifiers. The 15" cone delivers impressive sound reproduction essential for the big bass beat of today's rock sound. Heavy-gauge reinforced steel chassis for strength and rigidity. Steel pot plates use full potential of heavy 15-lb. magnet structure. Large, 3"-diameter voice coil absorbs heat of transient peaks. Rubberized cone edges give smooth response and extend cone life. Internal dust seal protects voice coil gap from dust. Impedance, 8 ohms. Depth, 8 3/4". Requires 13 3/4" mounting hole.

B 6504 U. Shpg. wt. 21 lbs. **34.25**



Was \$68.50
in last
year's catalog

34²⁵



Musical Instrument Speakers. Quality construction for dependable performance. *Use: EO, electric organ; G, guitar; BG, bass

Stock No.	Fig.	Mfr's Type	Size	Peak Watt	Magnet Lbs.	* Use	Wt. lbs.	EA.
6505	A	MS-8GA	8"	32	1 3/4	EO, G	2 3/4	10.50
6506 X	B	MS-10GA	10"	38	1 3/4	EO, G	3	12.50
6507 X	B	MS-10GL	10"	55	4	All	6 1/4	16.50
6509 X	D	MS-12G2A	12"	65	4	All	6	38.85
6510 X	F	MS-15GA	15"	75	4	All	9	24.50

guitar; All, organ, any guitar, accordion. †Complete magnet structure. ‡Has magnet cover. §Has cast frame.

Stock No.	Fig.	Mfr's Type	Size	Peak Watt	Magnet Lbs.	* Use	Wt. lbs.	EA.
40 B 6512 X	F	MS-15LA	15"	85	6 1/4	EO, BG	12 1/4	31.50
40 B 6513 X	C	MSD-12G†	12"	70	4	All	9	28.50
40 B 6514 X	C	MSD-12L‡	12"	85	6 1/4	EO, BG	11 1/2	38.50
40 B 6515 X	E	MI-12R2RC	12"	100	13 1/2	EO, BG	16 1/2	59.95
40 B 6516 X	G	MI-15R2RC	15"	110	13 1/2	EO, BG	18 3/4	69.95

Ultrahigh-power bass instrument speakers



Low as **63⁵⁰**

Model MS-15R3R. Super-power 15" bass instrument speaker designed to handle the output of high-power amplifiers. 120 watts peak. 15-lb. magnet structure, 3"-diameter voice coil. Response, 30-5000 Hz. Impedance, 8 ohms. Mounting diameter, 14 1/4"; depth, 8 3/4".

B 6517 U. Shpg. wt. 20 lbs. **67.50**

Model MS-12R3R. High-power 12" bass instrument speaker has massive 15-lb. magnet structure and 3"-diameter heat-proofed voice coil for full 115-watt peak power capacity. Response, 30-5000 Hz. Impedance, 8 ohms. Mounting diameter, 11 1/4"; depth, 6 3/4".

B 6518 X. Shpg. wt. 18 lbs. **63.50**

Musical Instrument Speaker Columns

Model MC1240-A. Will handle 200 watt peaks at bass guitar frequencies. Four 12" speakers with heat-proofed coils, 8 ohms. Vinyl-covered wood case.

40 B 6502X. Shpg. wt. 74 lbs. **175.00**

Model MC1244-A. Four compression tweeters, added to the MC1240-A, for brilliant high-frequency performance. For any type of electrified instrument or voice.

40 B 6503U. Shpg. wt. 78 lbs. **200.00**

Project your combo's sound with portable Instrument Speaker Columns

Model MC1040-A. New, higher power to project your voice over the volume of the instrument amplifiers. For all instruments except bass. Four heavy-duty 10" speakers with heat-proofed coils. Vinyl-covered wood enclosure. Reinforced corners. 150 watts peak power. 8 ohms. 43 1/2"x13 1/2"x7".

40 B 6500 X. Shpg. wt. 60 lbs. **115.00**

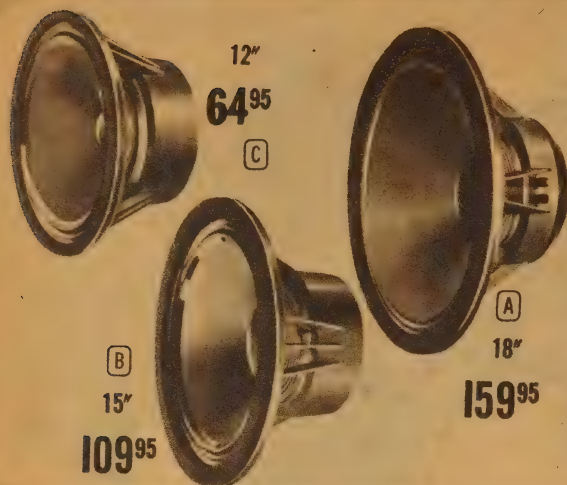
Model MC1044-A. Four compression horn tweeters add "life" to this deluxe version of the MC1040-A. The added highs penetrate room noise.

40 B 6501 X. Shpg. wt. 64 lbs. **150.00**



Order your speakers now... use Allied's Credit Fund Plan

Musical Instrument Speakers for today's sound



Goodmans of England "Power Range Audio"

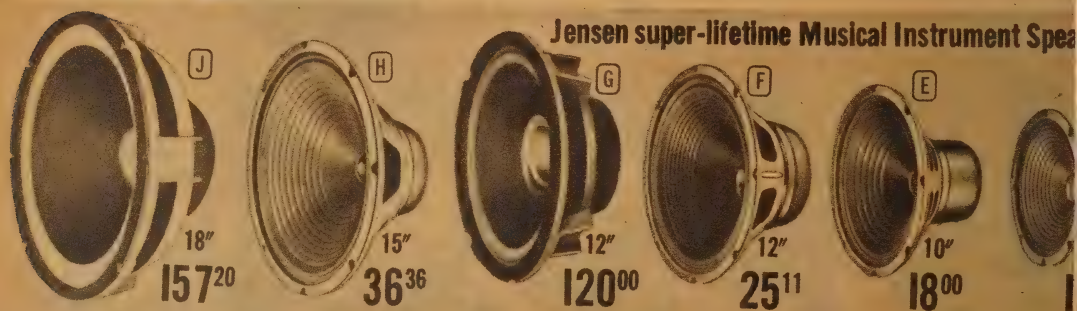
New at Allied. Goodmans Power Range Audiums provide superb reproduction of guitar, organ, accordion or other musical instruments. Provide exceptionally accurate performance down to the lowest musical frequencies. Each unit features a powerful Feroba II high efficiency magnet system, strength plastic edged cone for maximum flexibility, die cast chassis, except 10P and 12P. Fitted binding posts, 8 ohms.

A Model 18P. Massive 18" speaker offers exceptional power handling capacity of 200 watts. Especially designed to handle powered instruments. 3" voice coil. 16 1/4" baffle hole dia. 40 B 6527 U. Shpg. wt. 28 lbs.

B Model 15P. 15" reproducer with 1 1/2" voice coil. Handles 100 watts peak musical power. Requires 13" diameter baffle. 40 B 6528 U. Shpg. wt. 17 lbs.

C Model 12P. Rugged 12" unit with 1 1/2" voice coil. Handles 100 watts peak power. 11" baffle hole diameter. 40 B 6529 X. Shpg. wt. 12 lbs.

Model 10P (not illustrated). Robust 10" speaker with high handling capacity of 30 watts and extra high efficiency voice coil. 9" baffle hole diameter. 40 B 6530 X. Shpg. wt. 4 lbs.



Jensen super-lifetime Musical Instrument Speakers

Concert-Vibranto® Series. Provide clean and undistorted performance from lowest bass to highest treble. Special voice coil coated with high-temperature enamel, wound on fiberglass bobbin, withstands high ambient temperature produced by overtones. LMI, SMI models lifetime guaranteed against burnout, shatter and diaphragm disintegration. Stress-resistant cone has treated edge for smooth response. Heavy-duty Syntox-6® magnets except LMI and SMI models which have Alnico V magnet. Feature break-proof leads to speaker terminals. Impedance, 8 ohms. Use: *For guitar; †guitar, accordion; §bass guitar, string bass; ‡all instruments.

Stock No.	Mfr's Type	Fig.	Size	Magnet Weight	Peak Power (Watts)	Mounting Hole	Wt., Lbs.
40 B 6531	MI-81*	D	8"	10 oz.	25	6 3/4"	4
40 B 6532 X	MI-101*	E	10"	10 oz.	30	8 3/4"	4
40 B 6533 X	MI-120§	F	12"	1 lb.	50	10 1/2"	7
40 B 6534 X	MI-122†	F	12"	1 lb.	50	10 1/2"	7
40 B 6535 X	LMI-122§	F	12"	1 1/4 lbs.	100	10 1/2"	8 1/2
40 B 6536 X	SMI-225‡	G	12"	3 3/4 lbs.	200	10 3/4"	17
40 B 6537 X	LMI-125†	F	12"	1 1/4 lbs.	100	10 1/2"	8 1/2
40 B 6538 X	MI-150§	H	15"	1 3/4 lbs.	60	13 1/4"	11
40 B 6539 X	MI-151†	H	15"	1 3/4 lbs.	60	13 1/4"	10 1/2
40 B 6540	ULMI-152§	H	15"	3 1/2 lbs.	100	13 1/4"	17 1/2
40 B 6541	USMI-285‡	J	18"	3 3/4 lbs.	250	16"	24



Misco "Red Line" Musical Instrument Speakers

Designed after years of development, engineering and testing. Unique red and gold frame identify the "Red Line." Voice coil, spider, cone and all other components are precision-spaced for perfect performance. Exclusive construction includes aluminum heat sink voice-coil forms to draw heat away from the coil, reducing chance of burnouts. Super-strength bonding on critical parts prevents breakdown due to physical shock of instrument wave forms. Suspension eliminates cracking of cone edges. Thick rubber gaskets seal speaker to mounting board—no air leaks or mounting resonances. Spring-type binding

K Model NC-15-GB. 15" speaker for bass guitar, string bass, organ. 100 watt power handling capacity. 6 1/4"-lb. magnet structure. 14 1/2" mounting; 6 1/4" baffle hole. 40 B 6544 X. Shpg. wt. 11 1/4 lbs.

Model NC-15-GL. 15" speaker as above, but for all amplified instruments. 40 B 6545 X. Shpg. wt. 11 1/4 lbs.

L Model NC-12-GB. 12" speaker for bass guitar, string bass, organ. 100 watt power handling capacity. 6 1/4"-lb. magnet structure. 11 1/2" mounting; 5 1/2" baffle hole. 40 B 6542 X. Shpg. wt. 9 1/4 lbs.

Model NC-12-GL. 12" speaker as above, but for all amplified instruments. 40 B 6543 X. Shpg. wt. 9 1/4 lbs.

Professional-quality Musical Instrument Speakers

Super-power guitar Speakers by Realistic®
Unconditionally guaranteed one full year

Meet today's "hard" and "heavy" music demands. Run all of the punishing power of your guitar, organ or bass amplifier through these heavy-duty instrument speakers. Each has massive magnetic structure and reinforced cone edges. Compliance strictly controlled at any volume by unique "spider" geometry.



Large rugged voice coil is heat-proofed to withstand high wattage

NEW!

(A)

13⁹⁵

Eight-inch 30-watt guitar amplifier Speaker

Realistic's lowest-priced guitar speaker lets you up-date your old amp or start your own system. Potent 10-oz. magnet with 1-inch voice coil handles up to 30 watts of music power. Heat-proofed. Free air resonance, 72 Hz. 8 ohms. Wt. 4 lbs.

B 1316. 1-3.....Ea. 9.95 4-9.....Ea. 8.95 10-Up.....Ea. 7.50

Twelve-inch 50-watt guitar amplifier Speaker

Great performance at a low price. Won't burn out...all new ruggedized construction. Reinforced cone edges resist shatter, and life. Big 20-oz. magnet with 1 1/2-inch voice coil for 50-watt capacity. Free air resonance, 50 Hz. 8 ohms. 6 lbs.

B 1275. 1-3.....Ea. 13.95 4-9.....Ea. 12.95 10-Up.....Ea. 10.00

Twelve-inch 85-watt guitar amplifier Speaker

Get the full sound of today's high-powered music. Rugged 2-inch voice coil and massive 6 1/2-lb. magnet structure for great volume level per each watt of input. Reinforced at every stress point. Free air resonance, 55 Hz. 8 ohms. 6 1/2" deep. 10 1/2 lbs.

B 1314. 1-3.....Ea. 22.95 4-9.....Ea. 21.00 10-Up.....Ea. 19.50

Fifteen-inch 100-watt guitar amp Speaker

Huge speaker pours out all the punishing power of today's "heavy" sounds. Massive 2 1/2-lb. ceramic magnet and 2-inch voice coil with multi-strand flexible leads. Resists fracture and burnout. Free air resonance, 45 Hz. 8 ohms. 8" deep. 13 lbs.

B 1315. 1-3.....Ea. 29.95 4-9.....Ea. 27.00 10-Up.....Ea. 25.00

50-watt Instrument Amplifier Music Horn

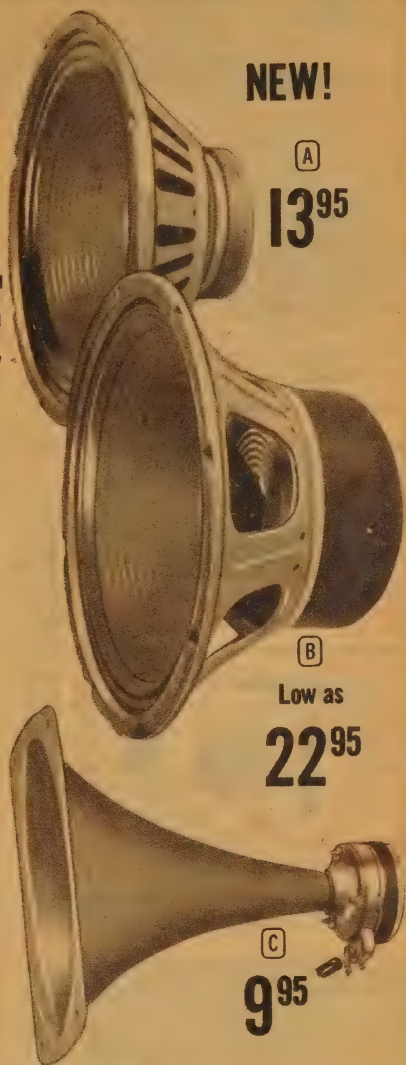
Add exciting overtones to your amplified instrument music that can't be reproduced by high power bass speakers. Response, 2000-20,000 Hz. 2.8-oz. ceramic magnet, 1-inch voice coil. 8 ohms (Use with 8 or 16-ohm speaker). 3 1/4"x8x1 1/2". Shpg. wt. 1 1/2 lbs.

B 1317. 1-3.....Ea. 9.95 4-9.....Ea. 8.95 10-Up.....Ea. 7.50

Usonic Speakers In Free or Controlled Cone designs

Choose the cone design that best fits your musical reproduction needs. Free-Cone models offer ultimate performance in tightly sealed cabinets, for extra acoustical power output at lowest frequencies. †Controlled models, for use in vented cabinets or bass reflex enclosures, handle power levels through a wide range of frequencies. Both designs feature burnoutproof voice coils, precision-wound and coated; both cone designs are available in bass or fully instrumented versions. §Magnet structure. ‡Use: All—organ, any guitar, accordion; BG—bass guitar, Note: to power 50% for electric organ.

Stock No.	Mfr's Type	Size	Peak Watts	Prog. Watts	§ Magnet, Lbs.	‡ Use	Wt., Lbs.	EACH
6519 X	120G*	12"	125	65	9 3/4	All	15	75.00
6520 X	120GB*	12"	125	65	9 3/4	BG	15	79.00
6521 U	150G*	15"	150	75	17 1/2	All	25	95.00
6522 U	150GB*	15"	150	75	17 1/2	BG	25	105.00
6523 X	120GO†	12"	125	65	9 3/4	All	15	74.00
6524 X	120GBO†	12"	125	65	9 3/4	BG	15	78.00
6525 U	150GO†	15"	150	75	17 1/2	All	25	94.00
6526 U	150GBO†	15"	150	75	17 1/2	BG	25	104.00



(B)

Low as

22⁹⁵

(C)

9⁹⁵



15-inch Speaker

12-inch Speaker

Low as

94⁰⁰

Low as

74⁰⁰

Get what you want now... Use Our Convenient Credit Fund Plan



Full array of non-protruding safety thumbwheel controls



Indicator lights to show you exactly which track you're on



Illuminated slide-rule FM dial tilts up for easy viewing



Pushbutton program and mode controls for easy tuning



Built-in burglar alarm will sound car's horn if attempt is made to remove player



Special fine-tuning control assures proper alignment even on worn tape cartridges

You'll feel like "King of the Road" when you move out with this new Allied Car Stereo FM Radio/8-track Player

- Top-mounted controls for safety and convenience
- Illuminated track indicator
- Automatic track changing
- Pushbutton track select
- Stereo FM indicator light
- Makes every trip a full-range experience

Model CS-1700. New for '71. Presenting a complete mobile music center with every advancement in performance and convenience—and offered at a price ordinarily reserved for a car stereo player alone! You'll be riding all the way in your car or boat. Just think of it—a full complement of sound sources at your fingertips to bring in all of your favorite sounds on-the-road. Move out to the sound of thrilling stereo or monophonic FM broadcasts. Play your favorite 8-track stereo tapes with all the life-like realism you would expect only from a fine home system. Just slide in a cartridge and you're ready for continuous, automatic stereo. And Allied has included a comprehensive array of safety controls to make tuning easier and more personalized than ever!

Balance control lets you adjust the sound coming from each stereo channel for customized hi-fi response. There's also a tone control for altering delicate musical sound to your own preferences. Also has on-off/volume and tuning controls . . . all thumbwheel designed to comply with the latest federal safety regulations. Other features include: illuminated track indicator; illuminated FM dial that slants upward to meet your eyes; mono-stereo switch. A lighted tape indicator tells you exactly which track is being played. Track changing is continuous and automatic. A pushbutton program selector is also provided for selecting individual tracks. Stereo beacon lights to signal reception of stereo FM broadcasts. Unit develops 10 watts of music power from radio or tape player. Full solid-state electronic circuitry for years of dependable, trouble-free operation. Mounts under dash with mounting bracket, all hardware and wire included. Good-looking too. Sleek black metal case with polished chrome trim to complement your car dashboard.

Consider the luxury features . . . consider the economy price . . . and consider the miles of good sound entertainment awaiting you! You'll agree, Allied Radio Shack keeps moving ahead with sound ideas. For all 12 VDC negative ground electrical systems.

12 B 5026 X. Shpg. wt. 10 lbs.

Mini 8-track Stereo Player by Tenna fits into smallest places . . . smallest budget

RR-45T. This "mini" player is the perfect add-on musical center for compact car owners—sports a mini price, too. Fits anywhere space is at a premium, yet boasts features and performance to match many larger models. Just slip in any 8-track cartridge and move out to the sound of stereo. Fully automatic and continuous operation.

Channel indicator lights to show you which track is playing. Individual volume, balance and tone make perfect sound adjustments easily. Channel selector lets you choose your favorite music from any part of the tape with pushbutton ease. Fine-tuning control brings the tape playback into proper position to prevent crosstalk and assure maximum channel separation even on worn cartridges. Has powerful, built-in 20-watt stereo state amplifier for years of carefree operation.

And here's another feature you won't want to be without. Built-in burglar alarm that offers the solution to theft or damage. If unauthorized person attempts to remove player from car, he will trip an alarm which sounds your car's horn until the alarm is reset. Continuous and conspicuous alarm will ward off any tampering and discourage theft. Response, 50-10,000 Hz. With universal mounting bracket and easy-to-follow instructions. Complete speakers from page 140. Handsome black metal case has chrome trim. Only 3x5x6 1/4". For 12 VDC positive or negative ground.

12 B 6012 X. Shpg. wt. 9 lbs.



Check these features

- ✓ Tape player is fully automatic—cartridges slide in for instant play
- ✓ Tunes all of today's top broadcasts on thrilling stereo or monophonic FM
- ✓ Full array of controls let you personalize your mobile listening
- ✓ For cars, trucks or boats—operates on all 12 VDC negative ground systems

109⁹⁵

nger mini
ck player
fills your
with stereo

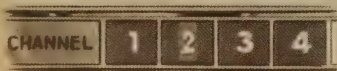
9⁹⁵



Ranger features



Thumbwheel-type controls comply with the latest federal safety regulations



Illuminated channel indicator



Special fine-tuning control

Spectacular new feature in Tenna's Model RR-71T, TC-81T and TC-80T



Built-in head cleaner that cleans heads each time a tape is played



Model RR-71T features:
Separately lighted channels

Fast forward button to find the selection you want



Tune-up your car now! Add an 8-track Stereo Tape Cartridge Player by Ranger

A Model RR-42 4- and 8-Track Tape Player. Plays all 4 and 8-track cartridges with true-to-life realism. Convenient automatic operation and non-protruding thumbwheel controls. Powerful built-in 20-watt solid-state stereo amplifier delivers wide-range, full-fidelity sound. Volume, balance and tone controls let you choose the sound to suit your tastes. Selector control and lighted channel indicator for easy selection of your favorite tracks. Fine-tuning control moves tape head for perfect alignment to eliminate crosstalk and assure full channel separation even on worn cartridges. Response, 50-10,000 Hz. Mounts easily under the dash with mounting bracket included. For 12 VDC positive or negative ground. $2\frac{1}{2} \times 7\frac{1}{8} \times 8"$. Includes built-in burglar alarm. *See Note Below.
12 B 6014 X. Shpg. wt. 12 lbs.

B Model RR-62 8-Track Player/Stereo FM Radio. Plays all 8-track stereo tape cartridges, and also offers brilliant stereo FM reception. Features manual automatic operation, thumbwheel controls and slide-rule dial which flips to accept cartridges. Solid-state amplifier delivers 20 watts. Volume, balance and tone controls for individual sound adjustment. Fine-tuning prevents crosstalk and assures full channel separation even on worn tapes. Illuminated channel indicator. Built-in burglar alarm sounds your car's horn if player is tampered with. Mounts under the dash with mounting bracket included. Response: tape, 50-10,000 Hz. FM, 50-15,000 Hz. Size, $2\frac{1}{2} \times 7\frac{1}{8} \times 8"$ deep. For 12 VDC, negative ground. *See Note Below.
12 B 6013 X. Shpg. wt. 12 lbs.

C Model RR-71T New Deluxe 8-Track Player. Solid-state tape cartridge player with every advanced feature for fine stereo. Completely automatic operation with sliding controls for volume, tone and balance. Hidden channel indicator to show each channel being played; blacks-out when not in operation. Built-in head cleaner automatically cleans tape head every time cartridge is inserted and removed. Also features burglar alarm which sounds car's horn if player is tampered with. Has fast forward and fine tuning controls. Automatically rejects cartridge at end of play. 14-watt amplifier. Response, 40-12,000 Hz. Bracket for under-dash mounting. $3\frac{1}{2} \times 7\frac{1}{8} \times 7\frac{1}{2}"$. 12 VDC pos./neg. ground. *See Note Below.
12 B 6015 X. Shpg. wt. 7 lbs.

D Model TC-81T Deluxe Mini 4- and 8-Track Player. Fits in the smallest place and performs with the big models. Features manual or automatic operation and easy-to-use thumbwheel controls. Individual volume controls for left and right channels, plus tone control for perfect sound adjustment. Track selector control and illuminated channel indicator make it easy for you to choose your favorite music from any part of the tape cartridge. Fine-tuning eliminates crosstalk and assures full channel separation even on worn tapes. Built-in tape head cleaner removes residue every time cartridge is inserted and removed. Theft proof—burglar alarm sounds car's horn if attempt is made to remove player. 14-watt solid-state amplifier. Response, 40-10,000 Hz. With mounting bracket. Size, $3 \times 6 \times 8"$ deep. For 12 VDC positive or negative ground. *See Note Below.
12 B 6017 X. Shpg. wt. 10 lbs.

E Model TC-80T. Deluxe Compact 8-Track Player. Every convenience feature and all-new styling at a low price. Has recessed volume, balance and tone controls. Fine-tuning for full-fidelity sound even from worn cartridges. Built-in head cleaner provides longer tape life, cleaner sound. Lighted track indicator and track selector. Burglar alarm sounds car's horn if attempt is made to remove player. 14-watt solid-state amplifier. Frequency response, 40-12,000 Hz. Only $3 \times 5 \times 7\frac{1}{2}"$. 12 VDC negative ground. *See Note Below.
12 B 6016 X. Shpg. wt. 9 lbs.

***NOTE:** Ranger players on this page include universal mounting bracket, hardware and instructions. Speakers not included. Order car speakers from page 136.



89⁹⁵ Another sound idea from Ranger Car Stereo Cassette Player

Model R-100C. Play your favorite stereo selections wherever you drive. Just insert a pocket-sized cassette through player's front door and you're on the right track—automatically! Flush-front design has safety thumb wheel controls for volume, balance and tone. Fast forward and reverse allow you to choose the exact selection desired quickly and easily. Solid-state stereo amplifier. Burglar alarm sounds car's horn if attempt is made to remove player. Cassette automatically ejects at end of program. Also has auto-reverse. Response, 50-10,000 Hz. $2 \times 7 \times 8"$. With mounting bracket. 12 VDC neg. ground. *See Note Above.
12 B 6018 X. Shpg. wt. 10 lbs.

(A)

4- & 8-track

79⁹⁵

No money down



(B)

4-track/Stereo FM

119⁹⁵

No money down



New at Allied
Radio Shack!
Deluxe-feature
8-track Players
by Tenna



(C)

89⁹⁵

(D)

89⁹⁵

69⁹⁵



(E)

Mobile Stereo FM/8-track Tape Cartridge Player



REALISTIC

*Outfit your car,
truck or boat to
enjoy the ultimate
in choice of music*

99⁹⁵

- Continuous play or track selection
- Delivers 10 full watts of power

Realistic leads the way to driving enjoyment with a new Mobile Music Center at a price you'd expect to pay for a stereo radio alone. Now you can choose stereo-FM or 8-track tapes wherever you go! FM radio has great sensitivity and selectivity to provide the best sound of music going. Features slide-rule dial for precise tuning, stereo FM beacon, and 10 watts of audio power to drive the most demanding auto speakers. Or you can play your choice of the wide range of 8-track pre-recorded tape cartridges available for the music you want when you want it. Simply slide cartridge into the loading slot and the music begins! 8-track

player features illuminated tape program indicator, continuous play plus manual track selector, and automatic shut-off of volume, balance, and full-range tone controls to let you hear the sound to suit your taste. Comes complete with mounting bracket, wiring harness and all hardware for easy installation under dash in any 12 VDC negative ground system. 6 7/8". Order speakers separately on page 140.

12 B 1390 X. Shpg. wt. 10 lbs.

12 B 1315. 3-Way Stereo Radio Antenna Connector. 1 lb.

12 B 1314. 24" Male/Male Connector Cable. Wt. 0 oz.

Realistic deluxe Car 8-track Stereo Tape Cartridge Player



69⁹⁵

- Powerful 10 watts audio output
- All solid-state circuit
- Continuous play or select

Designed for the serious music lover who likes to listen with sound. Features convenient thumbwheel control for automatic track change or manual track selection, illuminated channel indicator. Solid-state circuit delivers full 10 watts audio output. Full-range tone and balance controls let you adjust for optimum sound performance. Frequency response, 50-10,000 Hz. Includes mounting hardware for installation in 12 VDC negative ground system. Size, 2 5/8"x6 5/8"x7 1/2". Order speakers separately on page 140.

12 B 1828 X. Shpg. wt. 8 lbs.



Realistic "Staar" Stereo Cassette Player

69⁹⁵

- Convenient front-panel loading
- Automatic end-of-tape eject
- All solid-state circuit

Delivers truly great sound coupled with the ultimate convenience! Select any pre-recorded cassette from the wide variety available on today's market and simply insert it into the loading slot. Solid-state "Staar" system automatically plays cassette and then shuts off and ejects when the tape is over. Has convenient front panel controls plus volume, balance and tone controls. Audio output full 10 watts. Comes with mounting hardware for easy installation in any 12 VDC negative ground system. Size, 7x2 1/4"x6 3/4". Order speakers separately on page 140.

12 B 1824 X. Shpg. wt. 9 lbs.

New! Compact Car 8-track Stereo Tape Player

REALISTIC

...ill to great stereo
...sic with this fine
...to Tape Player at a
...k-bottom low price

49⁹⁵

...azingly compact
...e lets it fit
...ost anywhere . .
...alls easily in
...s, boats, trucks



...compact new 8-track player provides outstanding perform-
...or music lovers who like to travel. Delivers powerful 8 watts
...power and has many "high-priced" features. Separate vol-
...balance and full-range tone controls let you achieve the
...im sound for your car. Pre-recorded 8-track tape cars
...s are easy to play with the automatic track change and
...al override control. Illuminated channel indicator and

"instant-on" solid-state circuitry. An easy fit in almost any
vehicle is assured by the compact 4 $\frac{1}{2}$ "x7 $\frac{1}{2}$ "x2 $\frac{1}{4}$ " size. Comes
complete with wiring harness and all mounting hardware for
installation in any 12 VDC negative ground system. Frequency
response, 50-10,000 Hz. Output impedance, 4-8 ohms. Tape
speed, 3 $\frac{3}{4}$ ips. Order speakers separately on page 140.

12 B 1827 X. Shpg. wt. 7 lbs. **49.95**

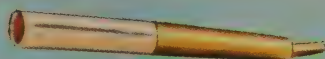
Full-feature Car Stereo Cassette Player with Built-in Recorder

REALISTIC

...le Cassette Recorder
...lines convenience and
...anding performance

99⁹⁵

...des deluxe features
...as automatic cassette
...ion, automatic level
...ol, record interlock



...ic presents an office and stereo music hall on wheels! Delivers great stereo
from any one of the wide range of pre-recorded tape cassettes available and
cords in mono to let you record your own music or even dictate letters while
... Remote control mike is always ready for use on its convenient snap-in
...t. Gives you all the fine features of a home cassette recorder: power indicator
...Slide-Path balance control, full-range tone control, automatic cassette ejec-
...nd a record interlock to prevent accidental erasure. Also has a record level
...ol to give you a visual check on the automatic level control. Complete with all
...ing hardware for installation in any 12 VDC negative ground system. Size,
3 $\frac{1}{4}$ ". Order speakers separately on page 140.

129 X. Shpg. wt. 8 lbs. **99.95**

page 331 for details on our convenient Credit Fund Plan

Top-value Stereo Speakers for the car



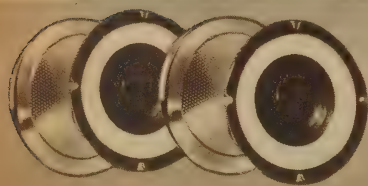
34⁹⁵

Prestige quality stereo hi-fi Car Door Speaker Kit

- Rigid die-cast frames for precise alignment
- Free-cone suspension for deep bass response
- Complete two-speaker system with all hardware

Top quality hi-fi speakers fit easily into car doors. Rigid die-cast frames with thick cross section for precise alignment. Precise shaping of magnetic circuit for 11,500 gauss flux density. Massive 2-lb. magnet structure; 1" voice coil. Snap-on, fitting chromed grilles; no visible fastening devices. Handle 10 watts each. Includes two speakers and grilles, hardware, illustrated instructions, full scale templates.

12 B 6029. Shpg. wt. 8 lbs. Pair 34⁹⁵



High-power Car Speaker Kit

19⁹⁵

High power system has bass response rivaling that of component hi-fi systems. Two 5 1/4" speakers have 10-oz. ceramic magnets, cloth roll cone edges. Co-axially mounted high frequency cone. Front mount in doors without removing panels. Snap-on chrome grilles. 10 watts each. With hardware, instructions, templates.

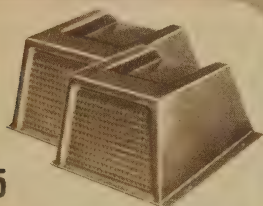
12 B 6031. Shpg. wt. 7 lbs. Pair 19⁹⁵



Top-value car Stereo Speakers

For exciting in-car stereo reproduction. Features two 5 1/4" round speakers with extra-powerful 5.5-oz. ceramic magnets. Cloth-cone for deeper bass response. Co-axially mounted in car doors without removing panels. 10 watt capacity per speaker. Includes two speakers, two grilles, hardware, instructions. Shpg. wt. 4 lbs.

12 B 6028. Pair 17⁵⁰

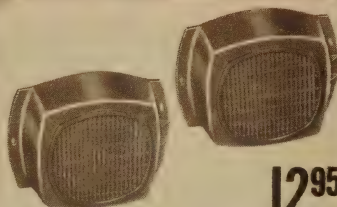


17⁹⁵

Utah Stereo wedge Speaker Kit

Compact wedges contain 3x5" speakers, mount on rear deck in minutes. Temperature resistant molded material. Handle 5 watts each. 3x5x5". With cables, instructions.

12 B 6033. Wt. 2 lbs. Pair 17⁹⁵

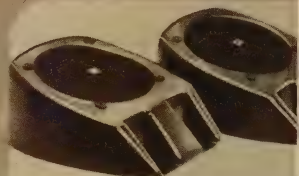


12⁹⁵

Utah speed mount Stereo Kit

Mount quickly on fire wall, kick panels, under seats, on rear deck, with only two screws. 5 1/4" speakers have 3-oz. ceramic magnets, handle 8 watts each. Wt. 2 lbs.

12 B 6030. Pair 12⁹⁵

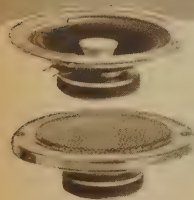


Mount anywhere

Hang-on Speakers

Two heavy-duty 5" speakers in five molded enclosures. Mount anywhere without cutting or fitting. Under dash, under seats, on panels or rear deck. Shpg. wt. 4 lbs.

12 B 1842. Pair 12⁹⁵



Dual cone built-in Speakers

12⁹⁵

Designed for outstanding stereo reproduction in the car. Includes two 5" diameter high compliance speakers with huge 5.6 oz. magnet, cloth rolled construction and whizzer cone. Install quickly and easily. Wt. 7 lbs.

12 B 1843. Pair 12⁹⁵

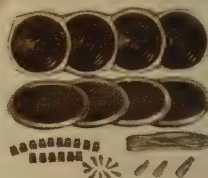


6⁹⁵

Flush mount Speakers

Give your car the "custom" look—and great sound. Includes two 5" heavy-duty speakers with chromed grilles, plus "instant mount" retainer rings for easy speaker mounting without removing panels. Shpg. wt. 2 lbs.

12 B 1841. Pair 6⁹⁵



Custom in-car Speaker

8⁹⁵

Four heavy-duty 5" ceramic speakers. Mount easily under seats, on kick panels, on rear shelf. With grilles, cables, and self adhering tape for "door" installation. Wt. 4 lbs.

12 B 6034. Set of Four 8⁹⁵

REALISTIC values in pre-recorded Stereo Tapes

audiophile Series" 1-hour Stereo 8-track Tape cartridges and Cassettes

3⁹⁵

Full 1-hour stereo programs for every musical taste

Minutes in Spain and Italy. The Parris Shell String play: La Palmoa La Cum-sita, Malaguena, La Strada, more.

4060. Cassette 3.95
5060. 8-Track Cartridge 3.95

Dixie, Half Jazz. The Dixie Tom Cats in traditional, The Jazz Men with cool ends. Bill Bailey, Saints, Battle Hymn the Republic, Stormy Weather, 9 more.

4061. Cassette 3.95
5061. 8-Track Cartridge 3.95

Solid Rocks. Top Rhythm & Blues hits top Hollywood groups. Talk of the town, Careless Love, Strange Lover, 9 more.

4062. Cassette 3.95
5062. 8-Track Cartridge 3.95

ss Tijuantics! Popular "Tijuana" and bossa nova style hits by Harry's Chorale and the Iguana Brass. from Ipanema, All My Loving, etc.

4063. Cassette 3.95
5063. 8-Track Cartridge 3.95

Band Stereo. Top bands of Woody man, Charlie Barnet, Tito Puente, etc. such classics as: One O'Clock Jump, the "A" Train, Northwest Passage.

4064. Cassette 3.95
5064. 8-Track Cartridge 3.95

Pops at Symphony Hall. Tutti Camarata, Wm. Steinberg and the Pittsburgh Symphony and Raoul Poliakin's Orchestra & Chorus. Deep Purple, Night and Day, 20 more.

51 B 4065. Cassette 3.95
51 B 5065. 8-Track Cartridge 3.95

26 Country/Western Hits. Grand Ol' Opry stars with Steel Guitar Rag, Wolverton Mountain, My Happiness, Blue Tail Fly.

51 B 4066. Cassette 3.95
51 B 5066. 8-Track Cartridge 3.95

Country/Western Hits, Vol. II. Cattle Call, Abilene, Careless Love, many more.

51 B 4067. Cassette 3.95
51 B 5067. 8-Track Cartridge 3.95

Broadway Sing-A-Long. Vocal selections from 10 hit musicals including: The King and I, Sound of Music, Mame, Sweet Charity, Camelot. Tunes include Climb Every Mountain, We Kiss in a Shadow, etc.

51 B 4068. Cassette 3.95
51 B 5068. 8-Track Cartridge 3.95

Pop Organ Combos. Todd Gray, John Kiley and Gordon Kibbee with such hits as: Moonlight in Vermont, Besame Mucho, I Can't Give You Anything But Love Baby.

51 B 4069. Cassette 3.95
51 B 5069. 8-Track Cartridge 3.95

Classical Tapes. Featuring such world-famed performers as: Phillippe Entremont, Franco Gulli, Virtuoso Symphony of London, and Vienna State Opera Orchestra.

Tchaikowsky "Pathetique." Complete Symphony No. 6, plus the 1812 Overture.

51 B 4070. Cassette 3.95
51 B 5070. 8-Track Cartridge 3.95

Strauss Waltzes & Von Suppe Overtures. Emperor, Blue Danube, Vienna Woods.

51 B 4071. Cassette 3.95
51 B 5071. 8-Track Cartridge 3.95

Tchaikowsky Ballets. Complete Swan Lake; Romeo & Juliet, Nutcracker.

51 B 4072. Cassette 3.95
51 B 5072. 8-Track Cartridge 3.95

Popular Overtures. Smetana's Bartered Bridge, Beethoven's Egmont, many more.

51 B 4073. Cassette 3.95
51 B 5073. 8-Track Cartridge 3.95

Russian Masterpieces. Tchaikowsky, Rimsky-Korsakov, Borodin, Moussorgsky.

51 B 4074. Cassette 3.95
51 B 5074. 8-Track Cartridge 3.95

Organ music. Vivaldi; Bach Fugues, etc.

51 B 4075. Cassette 3.95
51 B 5075. 8-Track Cartridge 3.95

Beethoven & Chopin Piano Selections. Moonlight Sonata, Emperor, Polonaise.

51 B 4076. Cassette 3.95
51 B 5076. 8-Track Cartridge 3.95

Great Stereo Demonstration Tapes

over 25 sound effects that demonstrate your cassette, cartridge or reel-to-reel tape player at its best! Includes trains, airplanes, birds, boat styles, foghorns, roller coasters, parades and much more. Shpg. wt. 1 lb.

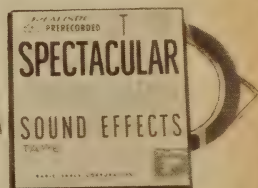
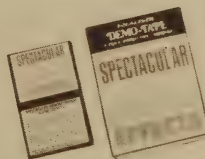
3 7777. Reel-to-Reel. 7 1/2 ips 7" 3.95

3 4777. Cassette 3.95

3 5777. 8-Track Cartridge 3.95

Reel or Cartridge

3⁹⁵



"Gidget" 4-track to 8-track Adapter

2⁹⁸



Burglar Alarm System for car tape players

7⁹⁵



Universal Lock Mount prevents Stereo theft

9⁹⁵



Rubbermaid® Tape Cartridge Holder

5⁹⁵



ables the versatility of your player. Lets you play the er priced standard 4-track cartridges on 8-track-only ers. Simple insertion and roval from 4-track car- ges. With full instructions. g. wt. 4 oz.

3 6159 2.98

Protect your valuable car tape player against theft with this unique alarm. Protects any 12-volt stereo car tape system. "Squaler" connects easily, provides loud horn-alarm if your tape unit is tampered with. Shpg. wt. 10 oz.

22 B 6160 7.95

Locks! Prevents theft of player or radio from car when you leave it unattended. Nothing to disconnect once installed. 6/12 VDC. 1x6 1/2x7 1/2".

22 B 6161. Wt. 2 1/2 lbs. 9.95

Extra Male Mount. For using player in home, boat, 2d car.

22 B 6162. Wt. 8 oz. 4.95

Provides ideal storage for 4- or 8-track stereo cartridges. Stores up to 10 cartridges. Keeps tape library organized and cartridges dust-free. Molded carrying handle. Sturdy plastic with vinyl top. Size, 13x5x6". Shpg. wt. 2 lbs.

22 B 6163 X 5.95

lock up on pre-recorded stereo tapes at our low prices



You simply can't beat
an easier-to-use 7
open-reel Tape Deck

159⁹⁵

no money down*

SPECIFICATIONS

Frequency Response: 40-20,000 Hz at 7 1/2 ips; 40-10,000 Hz at 3 1/4 ips; 40-5,000 Hz at 1 1/2 ips. Signal-to-Noise Ratio: Better than 55 dB. Wow and Flutter: Less than 0.15% at 7 1/2 ips. Equalization: Conforms to NAB standard. Power Requirements: 117 V, 60 Hz AC. Inputs: 2 microphone, 2 aux. Outputs: 2 amplifiers, stereo headphone. Tape and Source motor. Reel Size: 7" or smaller. Speeds: 7 1/2, 3 1/4, 1 1/2. Controls: 2 volume. Dimensions: 15 1/2 x 14 x 5 3/4".



The biggest bargain in
luxury-feature auto-
reversing Stereo Tape Deck

199⁹⁵

no money down*

SPECIFICATIONS

Frequency Response: 30-20,000 Hz at 7 1/2 ips. Wow and Flutter: 0.2% at 7 1/2 ips. Heads: 2 record-playback. Inputs: Microphone and Auxiliary. Outputs: preamp and stereo headphone. Headphone Output Impedance: 8 ohms. Power Requirements: 117 V, 60 Hz AC. Tape Speeds: 7 1/2, 3 1/4, 1 1/2. Dimensions: 18 3/4 x 17 1/4 x 15 1/4".

Realistic's 3-speed 3-head solid-state Stereo Tape Deck . . the one the experts call the "Professional Feature" Deck

Model 999. Expand your stereo music system with Realistic's fabulous solid-state tape deck and enjoy the luxury of superb music recording and reproduction. Handsome and versatile performer records and plays 4-track stereo and mono through your hi-fi component system or console—allows you to tape music directly off the air and tape your favorite records to build an impressive tape library. Features precision motor that gives you exact 7½, 3¾ and 1½ ips speeds with a minimum of wow and flutter. Boasts such high-priced features as automatic end-of-reel shutoff, three premium quality tape heads (erase, record and playback) for performing such exciting professional recording techniques as "sound-on-sound", instant monitoring, many others. Illuminated record interlock prevents you from accidentally erasing your valuable recorded and pre-recorded tapes. Separate right and left volume controls. Two equally matched, extra-sensitive recording level meters let you make perfect recordings every time. All this in a front-panel stereo headphone jack for private enjoyment of breathtaking stereo music, even in the wee hours of the night. Three-digit push-to-reset tape counter lets you locate any selection on a tape, accurately, without guesswork. Complete with luxuriously styled walnut wood cabinet, 7-inch takeup reel, all necessary cords, plugs, AC.

999 U. Shpg. wt. 22 lbs. **159.95**

Realistic automatic reversing 3-speed 4-head solid-state Stereo Tape Deck

Model TR-101. Never reverse tape reels again! Let Realistic's beautifully designed, sensibly priced solid-state 3-speed stereo tape deck do the work for you with its automatic-reversing features. Can be set for one complete play and stop, continuous replay or automatic stop at a predetermined point by foiling patches (included) positioned wherever you want automatic reversal—or can do it manually with pushbutton ease—take-up reel guide light indicates location of tape. Plays and records 4-track stereo or mono tapes through your system or console. Also boasts Realistic's Auto-Thread 7" reel—just drape tape over the hub and start playing. Specially designed precision motor gives you of perfect 7½, 3¾, 1½ ips speeds. Push-to-reset three-digit tape counter for editing and locating selections easily. Dual recording level meters with recording levels to be easily read for achieving perfect stereo balance. Front-panel stereo headphone jack lets you listen in private without disturbing others. Four heads for sound-on-sound, sound-with-sound, other special effects. Complete with built-in preamp, beautifully oiled-walnut-look wood base and easy-fit lucite dust cover, AC.

101 U. Shpg. wt. 30 lbs. **199.95**

Just take a look at the features that make these Decks "best buys"

A

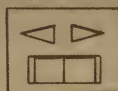


Pushbuttons for left and right channels

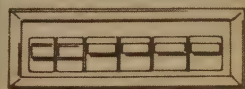


Dual meters for level and balance

B



Manual and automatic reversing controls



Six pushbuttons for ease of operation

Realistic's compact 3-speed full-feature solid-state Stereo Deck . . real value!

1995 • Get sound-on-sound • Walnut wood cabinet

Model TR-90. Lots of features at a remarkable price! You can build an impressive tape library by taping stereo FM broadcasts off the air or by taping your record collection. 4-track stereo deck boasts a single control knob for fast-forward, play/record, stop, fast-reverse. Automatic shut-off, dual recording level meters, pause control for cuing and editing, illuminated record interlocks. Allows sound-on-sound, instant monitoring, etc. Plays at 7½, 3¾, 1½ ips speeds through your hi-fi system or living room console. 50-15,000 Hz frequency response. With handsome walnut wood cabinet (18½x12½x7½"), all cables, plugs, AC.

90 X. Shpg. wt. 15 lbs. **119.95**



Realistic Radio Shack Tape Decks give you more for your money



99⁹⁵ no
money
down

- Plays cassettes or FM-AM radio
- Records direct from FM or AM or from microphone
- Level meter for distortion-free recordings of voice or music
- Automatic tape shut-off
- Cassette ejection button
- Switch lets you listen to radio as you record from it
- Records up to two hours on one shirt-pocket-size cassette
- Warning light and beeper system signal when tape is running low
- Fast forward and fast rewind
- Full 1-watt audio power output for plenty of volume
- Output for external speaker
- Continuous tone control
- Back-lit rotary drum dial
- AFC for no-drift FM reception
- 100-10,000 Hz audio response
- Remote-control mike included

NEW! Allied portable Cassette Recorder with end-of-tape warning system and built-in FM-AM Radio . . plays on batteries or AC

Model 1140. It's a tape recorder. It's a tape player. It's a deluxe FM-AM radio. At any state, it's built to go anywhere, work anywhere. Use it indoors on house current or outdoors on its own self-contained batteries. Full-feature recorder uses compact cassettes that end all tape handling and threading problems. Record your own tapes, tunes direct from FM or AM and listen to them through the speaker as you record. Use the remote control start-stop mike to record dictation, lectures or family fun. Meter makes it easy to get high-quality recordings every time. Single function controls for rewind, stop, play/record, fast forward. Has warning light and beeper that alert you when you are nearing end of tape. Pop-up cassette-ejection button. Continuous tone control. Speaker on-off switch. Radio has back-lit rotary drum dial. When using AC power, dial is lighted only when you push dial check light. Selector switch for tape FM and FM-AFC. Telescoping FM antenna, built-in AM antenna. Storage compartment for accessories. With mike, patch cord, AC cord and plug. High-impact case with brushed chrome trim and swivel handle/stand. 2 1/4 x 11 x 8".

14 B 5004 X. Shpg. wt. 8 lbs.

SPECIFICATIONS

Frequency Response: 100-10,000 Hz. **Tape Signal-to-Noise Ratio:** 38 dB. Cr. -60 dB. **Fast Forward & Rewind Time:** Within 140 seconds for C-60 cassette. **Wow and Wow:** under 0.035% rms. **Bias and Erase System:** AC. **Track System:** TV. **Monophonic** (plays pre-recorded stereo cassettes monophonically). **Inputs:** Microphone and Auxiliary. **Outputs:** 8-ohm external speaker. **Tape Speed:** 1 1/2 ips. **Antenna:** telescoping whip for FM, built-in ferrite rod for AM. **Overall Circuit:** 15 transistors, 2 diodes. **Power Requirement:** 117 VAC or six "D" batteries; jack for external 12V source.

**Allied Cassette Recorder
with snap-on AC adapter**

for **39⁹⁵** no
only money
down*

- Uses easy loading snap-in cassettes
- AC adapter removes for on-the-go use
- Remote-control start-stop microphone

Model 1100. This lightweight solid-state tape recorder is a wonderful value for everyone from students to executives. It's priced right, sized right for use in classrooms to tape lectures, for dictation, for business meetings, correspondence and much more. Battery/AC operation makes it the perfect low-priced recorder for on-the-go recording. For portable operation, "jettison" the AC adapter and operate on self-contained batteries. For at-home or in-office use, the snap-on adapter becomes an integral part of the recorder. Keyboard-type controls make operation simple for anyone. Has controls for fast forward and rewind. Record interlock prevents accidental erasure. Meter reads level on record for high-quality tape, works as battery-condition indicator during playback. Records and plays up to two hours on one cassette. Built-in 3 1/2" speaker. Jack for use with an extension speaker. Thumbwheel volume control. With five "C" batteries, remote control start-stop mic, earphone for private listening, vinyl carrying case and snap-on AC adapter, one C-60 cassette. With adapter, 2 1/2"x5x12". Without adapter, 2 1/2"x5x8". **B 5010 X.** Shpg. wt. 5 lbs. **39.95**
B 467. Extra "C" Batteries. 10 oz. **Each 17¢**



**Allied Cassette Recorder
keeps you from recording too
loud or too soft automatically**

for **69⁹⁵** no
only money
down*

- Automatic level control for finest tapes
- Plays on batteries or built-in AC supply
- 1 1/4-watt audio power • Monitor switch

Model 1150. Our best and easiest-to-use portable cassette tape recorder. Snap-in cassettes eliminate tape handling and threading problems. And Allied's Automatic Level Control circuit ends all volume level problems. All voices, from shouts to ear-whispers are smoothed out during recording for clarity, even volume during playback. You can switch the ALC circuit for full-dynamic-range music recordings. Deluxe solid-state circuit for crystal-clear 20-11,000 Hz audio response. Full 1 1/4-watt power, plenty of volume without distortion. Five push-buttons for stop-open, rewind, fast forward, play, erase (for editing as you record). Has monitor switch, auxiliary input, that lets you listen as you record from a radio, phono or TV. Continuous tone control. Recording/level battery condition meter. With remote control start-stop mike, earphone, C-60 cassette, carrying case, self-storing AC cord and plug. Order batteries below. 9 3/4"x6x2 1/2". **B 5011 X.** Shpg. wt. 5 lbs. **69.95**
B 467. "C" Batteries. 10 oz. **Each 17¢**





129⁹⁵ no money
down*

NEW! Allied's own Stereo Cassette Deck makes the bold move forward . . . combines cassette convenience with audio excellence

Model 1125. At last! A stereo cassette tape deck that offers the quality and wide array of features previously available only in higher-priced reel-to-reel tape equipment. More tape handling or threading . . . add this deck to your hi-fi system or console and get truly professional stereo or mono performance on ultra-convenient pop-in cassette. All-silicon transistor circuit combined with a frequency response of 10 to 12,000 Hz lets you enjoy the full spectrum of musical range without a trace of audible distortion. Precision AC motor assures you of constant speed for perfect pitch—no annoying flutter or wow. Records up to two hours on snap-in cassettes that pop out automatically at the end of the tape. All-pushbutton operation controls all tape modes—record, play, fast forward, rewind, and stop. Has individual left and right channel linear-type level controls and two level meters for perfect recordings. Also has push-to-reset 3-digit tape counter, pause control, stereo/mono switch—even has a headphone monitor output jack! Attractive walnut case, silver and black panel. Complete with two pairs of cords. 3 1/2 x 8 3/4 x 11 1/4". AC.

14 B 5002 X. Shpg. wt. 10 lbs. **129.**

SPECIFICATIONS

Frequency Response: 10-12,000 Hz.
Signal-to-Noise Ratio: 40 dB and higher.
Flutter/Wow: Less than 0.35% rms.
Crosstalk: 55 dB at 1 KHz from adjacent track.
Bias and Erase System: AC bias and AC erase.
Record/Play Time: 60 minutes with C-60 cassette.
Fast Forward and Rewind Time: Within 90 seconds with C-60 Cassette.
Size: 11 1/4 x 8 3/4 x 11 1/4".

Right and left channel slide
level controls adjust easily
for precise recording levels

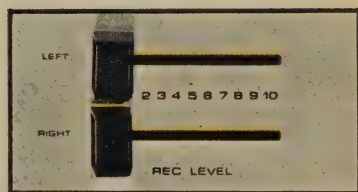
Accurate level meters indicate
recording levels for distortionless recordings every time



NEW! Allied 3-head Stereo Tape Deck Closes the price gap... full features and performance in a medium price range

TD-1099. All-new and a spectacular value. Allied's own solid-state tape deck with first-rate performance, convenient features and uncluttered styling—all for a low price. Features record/play preamps to play 4-track stereo/mono for your stereo system or console. Boasts three heads for tape monitoring, sound-with-sound and many other exciting special effects. Flutter-free motor accurate 7½, 3¾, 1½ ips speeds. And tape threading is easier than ever—flip the tape under the one-piece head cover, thread takeup reel, and you're ready to play. Has single knob function control with instant pause for simplified editing; instant shutoff; push-to-reset 4-digit counter; slide-type recording level controls; and dual comparison level meters, stereo headphone jack. With 7" takeup reel, 12½" x 16½" x 6½" walnut-grain vinyl covered wood case. 12½" x 16½" x 6½". AC. U.S. Shpg. wt. 21 lbs. **179.95**

179⁹⁵

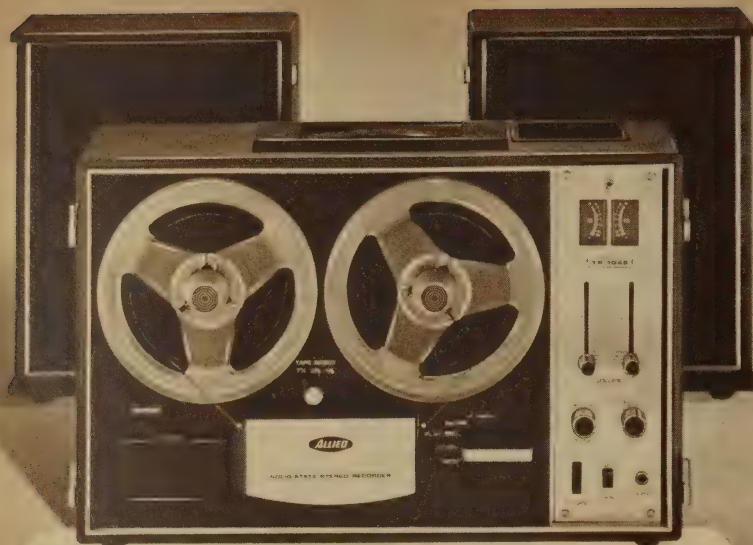


Linear lever-type controls
for accurate and easy ad-
justment of recording volume

SPECIFICATIONS
Frequency Response: ±3 dB, 30-22,000 Hz at 7½ ips; ±3 dB, 30-12,000 Hz at 3¾
Wow: less than 0.1% at 7½ ips; 0.15% at 3¾ ips.
Signal-to-Noise Ratio: 48 dB.
Sensitivity: Mike, 0.25 mV; aux., 50 mV.
Harmonic Distortion: less than 1.1%.
Standardization: NAB at 7½ ips.
Headphone Inputs: High impedance.
12½" x 16½" x 6½".



New one-piece head cover lets
you loop tape under once...
makes tape threading a snap



Enjoy the exciting sound of superbly recorded music . . . Allied[®] Stereo Tape Recorder captures every note your ears ever wanted to hear . . . convenience features make recording a pleasure

199⁹⁵ *Get it on
Credit

- Two wide-range speaker systems deliver magnificent stereo
- Provides all three popular recording speeds for versatility
- Dual level meters and sliding controls for easy adjustments
- Convenient single control for all tape movement functions

Model TR-1049. This 4-track solid-state stereo tape recorder has just about everything! Including two full-fidelity speaker systems that separate up to 18 feet to create a "wall" of breathtaking stereo sound! Detachable-lid speaker systems close to form carrying cover, so you can use it as a compact, all-in-one portable recorder or as a tape deck with your present stereo system.

Recorder features automatic tape lifters to protect sensitive tape heads during fast-forward and reverse. Retractable pinch rollers end tape threading problems. Three-speed capstan drive assures stable tape travel and smooth, even playing tension. Linear lever-type controls adjust recording levels for perfect stereo balance. Dual VU meters permit easy readings of recording levels. Four-digit tape counter makes editing easier. Versatile recorder even provides sound-on-sound special effect! Convenient single-lever function control provides instant and positive control of the tape transport.

Record from radio, phono or "live" with the microphones included. Built-in stereo amplifier has all-silicon-transistor circuit to assure fine wide-range sound and longer operating life. Front-panel stereo headphone jack lets you listen privately without disturbing others in the home. Flutter-free motor for precise speeds. Inputs: 2 mike, 2 aux. Outputs: preamp, extension speakers, headphones. Response: ± 3 dB, 40-18,000 Hz at $7\frac{1}{2}$ ips. $12\frac{1}{2} \times 19\frac{1}{2} \times 10\frac{1}{2}$ ". With 2 mikes, patch cords and 7" takeup reel. AC.

14 B 5009 U. Shpg. wt. 34 lbs. 199.95

SPECIFICATIONS

Speeds: $7\frac{1}{2}$, $3\frac{3}{4}$ and $1\frac{1}{2}$ ips. Frequency Response: ± 3 dB, 40-18,000 Hz at $7\frac{1}{2}$ ips. Signal-to-Noise Ratio: 50 dB. Flutter and Wow: 0.1% at $7\frac{1}{2}$ ips. Harmonic Distortion: less than 1%.

Allied Stereo Tape
adds the great sou
tape to your ste
system at very low

119⁹⁵ *Get it
Credit

- Single tape motion c
- Easy-to-read level m
- Fully solid-state circ
- Automatic tape lifter

Model TD-1025. Loads of featur
markable low price! Build an i
tape library by taping stereo f
casts off the air, or by taping yo
Tape "live" performances usi
Records and plays 4-track stere
through your system or console

Single knob control for fas
pause, play, record, stop and
Level controls for each chann
meters. Push-to-reset tape coun
matic tape lifters, automatic s
puts: 2 mike, 2 aux. Output
stereo headphones. Speeds: $7\frac{1}{2}$
 $1\frac{1}{2}$ ips. Flutter/Wow: 0.15% a
Response: 50-16,000 Hz at $7\frac{1}{2}$
walnut case, $11\frac{1}{2} \times 13\frac{1}{2} \times 7$ ". 7" ta
patch cords. Less mikes. AC.
14 B 5006 U. Shpg. wt. 20 lbs. . .

Want to make better
If you're really re
Allied's got a better
here with deluxe fe

139⁹⁵ *Get it
Credit

- Linear lever-type con
- Retractable pinch ro
- Easy-reset 4-digit co
- Includes walnut woo

Model TD-1039. Better becau
signed this solid-state 4-track st
for the critical recording enthu
built in "state-of-the-art" featur
tractable pinch rollers for easy
And linear lever-type controls
VU meters for perfect stereo
Even has automatic shutoff-
special effects, sound-on-sound

Automatic tape lifters protect
heads. 4-digit tape counter for
editing. 3 speeds: $7\frac{1}{2}$, $3\frac{3}{4}$ and
Frequency response: ± 3 dB, 30
at $7\frac{1}{2}$ ips. Flutter/Wow: less th
 $7\frac{1}{2}$ ips. Inputs: 2 mike, 2 aux.
line, stereo headphones. Waln
case, $13 \times 19\frac{1}{2} \times 7\frac{1}{2}$ ". With 7" ta
and patch cords. Less mikes. A
14 B 5007 U. Shpg. wt. 20 lbs. . .

*See page 331 for full Credit

Allied Stereo Tape Deck at a special value low price

119⁹⁵

Stereo Tape with deluxe features

39⁹⁵





134⁹⁵

Value-priced Sony/Superscope deluxe Stereo Tape Deck

Model 252-D. Traditional Sony quality and deluxe features at a low price. Records and plays 4-track stereo or mono. Operates through your stereo system or console at 7½ or 3¾ ips. Has sound-with-sound capability, stereo headphone jack, dual-comparison level meters. Single knob function control, automatic tape lifters, automatic shutoff, digital counter. Non-magnetizing record/play head reduces tape hiss. Inputs: 2 mike, 2 aux. Response at 7½ ips: 30-18,000 Hz; Flutter/Wow: 0.12%. 52 dB S/N. Walnut veneer case. Size, 7½x15½x13½". AC.

14 B 6017 U. Shpg. wt. 18 lbs. **134.95**



249⁵⁰

NEW! Sony/Superscope Deck with 3-head 3-speed design

Model TC-366. Here's true hi-fidelity performance at moderate price. Three-head design for direct tape monitoring, sound-on-sound and other special effects. Records and plays 4-track stereo or mono at 7½, 3¾, 1½ ips. Scrape flutter filter, non-magnetizing head, noise-suppressor switch eliminate hiss and distortion. Illuminated level meters, 4-digit counter. Automatic tape lifters, easy-threading retracto-matic pinch rollers, automatic shutoff. Stereo headphone jack. 7½ ips: 20-25,000 Hz. Flutter/Wow: 0.09%. With walnut case, patch cord, cover, 14¾x16¾x8¾". AC.

14 B 6018 X. Shpg. wt. 30 lbs. **249.50**

[A] Ampex Deck with dual capstan drive, three deep-gap precision motor and other high-performance features

Model AX50. Professionally-styled deck boasts three deep-gap sound-on-sound, sound-with-sound, direct tape monitoring a Records/plays 4-track stereo and mono at 7½, 3¾, 1½ ips. Capstan drive cuts wow, flutter and tape wear. Heavy-duty synchronous motor stays on-speed even during voltage fluctuations. Noise-suppression switch cuts tape hiss. Sliding controls for record and echo effects. Single function control knob. Digital automatic shutoff, level meters, automatic tape lifters. 7½ ips: 20-2 Flutter/Wow: 0.12%. Inputs: 2 mike, 2 line. Outputs: 2 line, 2 tape. Die-cast frame. Walnut case. 15¾x16½x8½". With dust cover. **14 B 6019 U.** Shpg. wt. 23 lbs.

[B] Concord Tape Deck with perfect-pitch hysteresis-synchronous motor and three non-magnetizing long-life heads

Mark III. Hysteresis-synchronous motor provides exact 7½ ips speeds. Three ferrite stereo heads offer extended frequency and virtually no head wear. Flutter filter, tape tension arm, automatic shutoff. Other convenience features include automatic tape lift source monitoring, sound-on-sound switch, echo control. Range Expander cuts tape hiss without affecting high frequency response. Instant pause. Flip-up head cover with gap positions for easy editing. Level meters, counter. 7½ ips: 20-27,000 Hz. Wow 0.09% at 7½ ips. Inputs: 2 mike, 2 aux. Outputs: line, stereo head. Vertical or horizontal operation. 15x19x7". With dust cover. AC.

14 B 6020 U. Shpg. wt. 33 lbs.

14 B 6021 U. Mark IV. Above features, plus electronic automatic shutoff—no metal or sensing foil needed. Dual capstan drive. 48 lbs.

[C] Teac three-head Tape Deck with hysteresis synchronous capstan motor, plus two separate motors for reel drive

Model A-1200U. Has preamps for record and play of 4-track mono at 7½ or 3¾ ips. Precise speed hysteresis-synchronous motor and two induction motors for reel drive. Separate record, erase heads for sound-on-sound, sound-with-sound, echo counter, illuminated level meters, automatic shutoff, electrically controlled speeds, push-button controls. Provides double protection against accidental erasure. Tape monitoring switch. Stereo headphone jack. Response: 30-17,000 Hz at 7½ ips. Wow and flutter, 0.12% at 7½ ips. Less steel front panel for durability. Walnut case, 17x15½x9". AC.

14 B 6022 Z. Shpg. wt. 64 lbs.

[D] Sony/Superscope professional-quality three-head Tape Deck with important features for audiophile

Model 630-D. Three-heads and all the switches, dials and knobs needed for complete versatility. Records and plays 4-track stereo or mono at 7½, 3¾, 1½ ips. Long-life non-magnetizing record heads in switching for sound-on-sound and echo effect. Tape/source Scrape flutter filter and ultra-high-frequency bias eliminate distortion. Noise-suppressor switch cuts hiss on pre-recorded tapes. VU meters are internally lighted and precision calibrated. Push-button 4-digit counter. Pause control with lock for easy editing record level controls. Automatic tape lifters, retracting pinch rollers, automatic shutoff. Two stereo headphone jacks. Response: 30-20,000 Hz at 7½ ips. Wow and flutter, 0.09% at 7½ ips. With dust cover, 7" takeup reel, patch cords. AC.

14 B 6023 U. Shpg. wt. 26 lbs.

[E] NEW at Allied! Sony/Superscope Tape Deck with three heads, full features at a low price

Model TC-352D. Excellent value for the home recording hobbyist. Three heads for direct tape/source monitoring; sound-on-sound patch cord (included). Records and plays 4-track stereo or mono on your system or console at 7½, 3¾, 1½ ips. Two level meters, 4-digit counter, automatic tape lifters. Scrape-flutter filter eliminates distortion. Non-magnetizing head reduces tape hiss. Single-knob control with instant pause. Easy-threading retracto-matic pinch rollers. Response: 30-20,000 Hz at 7½ ips. Flutter and Wow: 0.12% at 7½ ips. With dust cover, walnut case. 13¾x15¾x7¾". AC.

14 B 6024 U. Shpg. wt. 30 lbs.



**NEW! Deluxe
Ampex deck**

249⁹⁵



**Concord Deck has
extended range**

249⁷⁹



**Teac Deck
has 3 motors**

299⁵⁰

**Complete your stereo system
with a solid-state Tape Deck
featuring three-head design**



(D)

**Full-feature
Sony/Superscope**

299⁵⁰



(E)

**NEW! Deck from
Sony/Superscope**

179⁹⁵

Add a solid-state Stereo Tape Deck to your hi-fi system



299⁹⁵

Telex professional-quality 3-head solid-state stereo Tape Deck

Model 433. Magnificent silicon-solid-state deck offers complete 4-track and play facilities. Plays through your system or console at 7½, 3¾, and 1½ ips. Has three heads to permit tape monitoring, plus easy-to-operate switch for those exciting echo and sound-on-sound effects. Boasts three precision motors for precision performance. Push-to-reset three-digit tape counter edit and locate selections easily. Pause control for simplified three-track editing. Two professional level meters give you truly accurate level and perfect recordings every time. Total shutoff at end of tape not only shuts off entire machine as well. Records and plays back 4-track stereo. Frequency Response: 7½ ips, 40-18,000 Hz; Flutter and Wow: under 0.09%. 15¾x8¾". AC. Takes case below.

14 B 6065 U. Shpg. wt. 30 lbs.
14 B 6066 X. Wood Case. Shpg. wt. 4 lbs.



NEW! Ampex 6-head Stereo Deck with auto-reversing

599⁹⁵

no money down*



NEW! Roberts all-silicon stereo Deck

149⁹⁵

no money down*

Model AX300. Ampex's finest deck ever! Features exclusive "Silent Signal" automatic reverse for hours of uninterrupted use. Unique "Vari-Noise" reduces background noise and hiss at any preset level. 6 heads for record, playback, monitor, sound-on-sound, sound-w-sound, echo. Built-in mixer, variable noise filter, adjustable bias and VU meter calibration for use with any tape. 7½, x3¾, 1½ ips. 20-20,000 Hz at 7½ ips. Wow/Flutter, .09%. Walnut case. 16¼x14x8". AC.

14 B 6117 U. Shpg. wt. 32 lbs. **599.95**

Model 450-A. All-silicon-transistor deck boasts precise three-head design for monitoring, sound-on-sound. Records and plays 4-track stereo or mono. Dynamically-balanced capacitor motor permits precise 7½, 3¾ and 1½ ips. Record level meters, stereo headphone jack, instant automatic shutoff. Frequency Response at 7½ ips: 15-20,000 Hz. Flutter/Wow, 0.2%. In attractive wood case. Measures 15¾x5½". AC.

14 B 6118 U. Shpg. wt. 26 lbs.



Roberts deluxe Stereo Deck featuring auto reverse

329⁹⁵

no money down*

Model 650XD. Professional-type three-speed stereo deck with automatic reverse. Boasts 3 exclusive Crossfield heads that increase bass response a full octave, even at slow speeds. Features three hysteresis-synchronous motors for perfect 7½, 3¾, 1½ ips speeds. Has sliding level controls, automatically switched equalization for balanced tone characteristics at each speed. Response at 7½ ips: 30-22,000 Hz; Wow and Flutter: less than 0.18%. S/N Ratio: better than 50 dB. In handsome walnut case. 14x14x9". AC.

14 B 6121 U. Shpg. wt. 37 lbs. **329.95**



Teac professional Stereo Deck with auto reverse

664⁹⁵

no money down*

Model A-6010. Records in one direction, plays in either direction. Synchronous motor assures low Wow and flutter. Independent mike and line inputs for versatile mixing. Large 3½" VU meters, digital counter, automatic shut-off. Electrically switched speeds of 7½, 3¾ ips. Four premium heads. Response: 30-20,000 Hz at 7½ ips. S/N: 55 dB. Case, 21x17x8½". AC.

14 B 6067 Z. Shpg. wt. 80 lbs.
14 B 6119 U. Model 1500. As above, but with lesser recording S/N Ratio. Shpg. wt. 70 lbs.

! Sony/Superscope 3-head stereo Tape Deck with bias selectors

Free heads for special effects
Three precision motors
15,000 Hz . . at 3 3/4 ips!

419⁹⁵

Get it
on Credit



Model 366-4. New Sony/Superscope deck offers professional features, first-rate appearance and uncluttered styling. Boasts three precision motors with full solid-state switching circuitry in a precision-cast transport for perfect tape head alignment. Operates at 7 1/2, 3 3/4 and 1 1/2 ips speeds. Boasts three premium quality heads for stereo, mono, direct-tape monitoring, echo, and many other exciting special effects. Bias selector permits highest fidelity with any kind of tape, at any speed. Plug-in head assembly allows for easy replacement of tape heads without costly trips to service. Individual easy-touch color-coded function buttons are illuminated for ease of operation. Frequency Response: 20-20,000 Hz at 7 1/2 ips. Signal-to-noise ratio: 54 dB. Bias Frequency: 123 kHz. Overall size, 15 1/2 x 6 1/2 x 16 1/2". AC. 4 U. Shpg. wt. 55 lbs. 419.95

Join the age of "quadrarious" with 4-channel Stereo Decks

! Sony/Superscope 4-channel Deck

Model 366-4. Now you can enjoy the same high-performance of Sony's highly acclaimed Model 366 tape deck in a feature-packed 4-channel play-record version. It has in-line heads for highest fidelity 4-channel non-magnetizing record head, ultra-high frequency servo-control back tension eliminates pressure pads, for smooth tape travel. Also, noise suppressor, scrape flutter filter, mike and line tape mixing, automatic total shutoff, 4 professional record level meters. Frequency Response, 7 1/2 ips: 20-25,000 Hz. S/N: -55 dB. Wow: .09%. Complete with dust cover, sound-on-patch cord and SLR low noise-high output tape. 15 1/2 x 6 1/2 x 15". AC. 3 U. Shpg. wt. 36 lbs. 479.95

479⁹⁵

Get it
on Credit



! Teac 4-channel auto reversing Deck

Model TCA-40. At last! A 4-channel high-fidelity stereo deck that lets you enjoy today's newest sound sensation at a popular price. May be used with any amplifier equipped with 4-channel inputs and outputs. Plays either 4-channel (in-line) or 1/4-track tapes. Records on 2 channels . . . and can be modified to full 4-channel recording at a later time. It has built-in preamps with three separate motors: 1 for stereo, 2 for outer spooling for precise 7 1/2 ips speeds. Also has automatic reverse (2-channel front-panel stereo headphone jack, tape tension control for 1/4-mil tapes. Response: ±3 dB at 7 1/2 ips: 50-18,000 Hz. S/N: -50 dB. Wow and Flutter: 0.12%, 16% x 1/2". AC. 2 U. Shpg. wt. 45 lbs. 365.00

365⁰⁰

Get it
on Credit

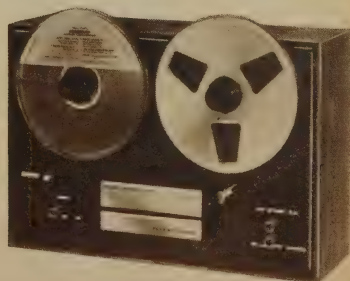


! Telex three-motor 4-channel Deck

Model Viking Quad/Sonic 2 + 2. Hear the glorious sounds of 4-channel stereo superbly reproduced on this fully designed 2- and 4-channel playback tape deck. Precision motors assure correct 7 1/2, 3 3/4 and 1 1/2 ips speeds, with a 2-lb. dynamically balanced flywheel with filter belt drive for smooth reproduction at any speed. Boasts famous Nortronics 4-channel premium in-head for outstanding response. Automatic shutoff, break switch, 4-digit tape counter with reset, off-on-reverse control, fast forward-rewind lever control, pilot light. Frequency Response at 7 1/2 ips: 40-18,000 Hz. S/N: -48 dB. 11 x 16 1/2 x 6 1/2". AC. Does not record. 1 U. Shpg. wt. 26 lbs. 279.95

279⁹⁵

Get it
on Credit



Prices do not include mikes with decks . . see page 233 for selection

Record your own 8-track stereo cartridges for car or home



(A) NEW! 169⁹⁵

149⁹⁵ (B)



(C) 169⁹⁵



(D) 129⁹⁵

Complete 8-track cartridge Record/Play Systems with stereo FM



(E) NEW! 349⁹⁵



(F) 299⁹⁵

Record and play full-range Stereo on instant-loading 8-track cartridges

A Roberts Stereo 8-track Record/Play Deck

Model 118D. Record your favorite music from stereo FM or records and play cartridges back through your music system, console, or car 8-track. Offers excellent recording quality. Pushbutton controls for all modes and record. Fast-forward control selects any portion of tape in 8-track selector, track indicator lights. Solid-state preamplifiers, level sliding level controls. Automatic stop at end of last track or can be continuous play. Inputs: Line, mike, radio/phono. Stereo headphone response, 50-15,000 Hz. Walnut veneer case. 5 $\frac{1}{2}$ "x13 $\frac{1}{4}$ "x9 $\frac{1}{2}$ ". AC. 14 B 5001 X. Shpg. wt. 19 lbs. **169.95**

any/Superscope Stereo 8-track Record/Play Deck

Model 118C-BW. You're assured of perfectly satisfying results on this new 8-track record/play deck. Snap-in cartridges offer convenience and uninterrupted stereo music. Records and plays through your hi-fi or console. You can transcribe your record collection or tape live tapes. You can save money by recording cartridges to use in your car. Pushbutton and automatic track selection, illuminated track indicator, level meters, stand-by switch. Automatic shutoff at end of last track. Stereo headphone jack, inputs for microphone and auxiliary. Response, 50-15,000 Hz. Less mikes. Walnut cabinet, 8 $\frac{1}{2}$ "x12x4 $\frac{1}{2}$ ". AC. 14 B 5001 X. Shpg. wt. 11 lbs. **149.95**

Telex/Viking Stereo 8-track Record/Play Deck

Model 111R. Expand your stereo system to include the luxury of carefree, instant tape cartridge performance. This deluxe solid-state 8-track deck records and plays 8-track stereo cartridges through your hi-fi system with high fidelity and response. Your cartridges can also be played through your car 8-track player. Has convenient pushbutton controls, automatic track selection, record level meter, record level controls for both channels. Four controls set for continuous play or automatic stop at end of last track. Response, 40-15,000 Hz. Less mikes. Walnut case, 4 $\frac{1}{2}$ "x15x11". AC. 14 B 5001 X. Shpg. wt. 25 lbs. **169.95**

D Craig Stereo 8-track Record/Play Deck

Model 3202. Solid-state stereo deck provides great entertainment. Records and plays 8-track tape cartridges through your hi-fi system or console. Lets you record your own tapes from radio, phono, or microphones. You can also record tapes to play back in your car 8-track player. Plays any 8-track stereo tape. Record signal meter, automatic level control, track indicator, channel selector. Can be set for single selection or continuous play for hours of stereo entertainment. Jack for stereo headphones. Response, 50-12,000 Hz. Less mikes. Walnut case, 4x9 $\frac{1}{2}$ "x9". AC. 14 B 5001 X. Shpg. wt. 11 lbs. **129.95**

Telex/Viking 8-track Recorder/Stereo FM-AM Radio

Model 314-S. This deluxe recorder/radio has 100-watt peak power stereo amplifier and includes separate speakers. Has FETs and integrated circuits. Features slide-rule dial, stereo light, tuning meter, switchable AFC. Features channel selector, channel indicator lights, 2 VU meters, pause control. Continuous play or automatic shutoff. Sliding tone controls for Bass, Treble, Balance, Loudness. Response, 40-15,000 Hz. Phono, tape, mikes. Stereo headphone jack. Walnut finish cabinets. 14 B 5001 X. Shpg. wt. 35 lbs. **349.95**

anasonic 8-track Recorder/Stereo FM-AM Radio

Model RS-820S. Solid-state system records and plays 8-track stereo cartridges and offers fine stereo FM plus AM. 32-watt peak power amplifier. Features slide-rule speaker systems. Radio has FETs, stereo eye, "black-out" feature. Pushbuttons for Tape, FM, AM, Phono, Auxiliary. Recorder has fast forward, erasure guard, level meters, channel lights. Sliding tone and level controls. Automatic shutoff. Cartridge bin folds into unit. Response, 50-15,000 Hz. Recorder/radio, 6 $\frac{1}{2}$ "x20 $\frac{1}{2}$ "x14 $\frac{1}{2}$ ". Speakers, 14 $\frac{1}{2}$ "x10 $\frac{1}{2}$ "x7 $\frac{1}{2}$ ". Less mikes. Walnut finish cases. AC. 14 B 5001 X. Shpg. wt. 60 lbs. **299.95**



159⁹⁵

NEW! Allied 8-track Record/Play Deck featuring repeat-play control

Model 1188. Deluxe deck offers carefree convenience of snap-in tape cartridges and all the features you need to make professional-quality recordings. Records and plays 8-track stereo cartridges through your music system or console. You can record cartridges to play in a car 8-track player. All-silicon transistor circuit. Insert cartridge and play begins automatically. Pushbutton controls provide continuous replay for hours of music or repeat play for repeating a particular selection as often as you wish. Fast forward control. Recording level control for both channels. Cartridge ejector.

Two full-view level meters let you make precision-perfect recordings. Stereo headphone jack for private listening. Response, 30-15,000 Hz. Inputs: 2 mike, 2 auxiliary. Walnut finish wood case, 4 $\frac{1}{2}$ "x15 $\frac{1}{2}$ "x9 $\frac{1}{2}$ ". With blank cartridge, two patch cords. Less mikes. AC. (See page 2 for complete specifications.)

14 B 5001 X. Shpg. wt. 14 lbs. **159.95**



59⁹⁵

Craig Stereo 8-track Tape Cartridge Player Deck in walnut cabinet

Features completely automatic operation and track selection to give you hours of music enjoyment with the utmost convenience

Model 3207. Solid-state 8-track cartridge player adds the convenience and luxury of tape cartridge performance to your stereo system. Plays through the amplifier of your music system or console. Lets you enjoy unattended, uninterrupted stereo programming for hours. Turns on automatically when any 8-track pre-recorded tape cartridge is inserted. Completely automatic, with eject-cartridge release button. Tape speed 3 $\frac{3}{4}$ ips. Response, 70-10,000 Hz. Walnut cabinet, 5x10 $\frac{1}{2}$ "x8 $\frac{1}{2}$ ". Does not record. AC. Shpg. wt. 11 lbs. 14 B 6031 X. **59.95**

REALISTIC

Play your automobile tapes at home with 8-track Stereo Player

3-piece walnut outfit includes two wide-range speaker enclosures

89⁹⁵

You can enjoy the same convenience of pre-recorded cartridge tape playing at home that you do in your car. Just push in a cartridge and listen to your favorites. You hear really big sound with the five-watt output and sealed wide-range speaker enclosures. The output is smooth and distortion-free. Programs play continuously, or you can switch tracks yourself. Channel indicator lights. Volume, tone and balance controls for adjusting sound for best musical effect. Fine track adjustment for perfect alignment. Stereo headphone jack for private listening. Function switch. Player, 3¹/₄"x15¹/₂"x10¹/₂"; each speaker, 10¹/₂"x8¹/₂"x8". AC.

14 B 913U. Shpg. wt. 20 lbs. 89.95

Add "Modulaire" changer to your tape player system

System with tape player above and 4-speed changer with base, dust cover, diamond cartridge, 45-rpm adapter and record brush.

14 B 914U. Wt. 26 lbs. 119.90

Tape-Phono System

119⁹⁰



Realistic 8-track Stereo Cartridge Playback Deck

59⁹⁵

Model TR-175. Enjoy continuous music at home on easy-to-use 8-track cartridges. Just plug in and play. Insert cartridge to turn deck on, remove to turn deck off. Plays through hi-fi system or any phono or radio with auxiliary input. Tracks change automatically or you can switch channels with front-panel pushbutton. Illuminated automatic track indicators. Cartridge slot has hinged door that keeps out dust. Oiled walnut cabinet, extruded aluminum front panel. 4x10x7". AC.

14 B 1974X. Shpg. wt. 12 lbs. 59.95



Realistic 8-track Stereo Cartridge Record/Play Deck

15⁹⁵

TR-8. Add this deck to your stereo music system and tape music from stereo FM or tape your favorites. You can play the tapes back through your music system or your car 8-track player. Handsome walnut cabinet. Stereo meter, record lock button and mike inputs. Function switch for continuous play, repeat of individual program or auto end of programs. Channel selector, indicator light. AC.

14 B 912U. Shpg. wt. 24 lbs. 159.95
33 B 990. Model MC-1000 Microphone, 1 lb.

Single 8-track Tape Player Systems for dynamic stereo realism



Single 8-track Stereo Cartridge Player with extending speakers

99⁹⁵

Model 3205. Separating speaker systems deliver life-to-life hi-fi stereo performance. Features automatic channel selector, combination program-change and eject button. Solid-state. Res. 70-10,000 Hz. Volume, balance controls for precise sound tailor-impact design—fits anywhere. Handsome black and chrome or walnut grained wood cabinets. 4x11 1/2x9 1/2". Speaker Enclosures: 11 1/2x9 1/2x4 1/2". AC.

14 B 3205 X. Shpg. wt. 21 lbs. **99.95**



Panasonic solid-state 8-track Player has 16 watts peak power

129⁹⁵

Model RS-810S. Solid-state player with separating speaker systems delivers 16 watts of peak music power for room-filling high-fidelity performance. Plays 8-track cartridges—no rewinding, no threading and no tape to break and crinkle in your hands. Pushbutton channel selector with lighted channel indicator. Mode selector; balance, base, treble controls. Res. 50-12,000 Hz. S/N, 51 dB. Phono aux. inputs; headphone jack. Player: 4x16 1/2x9". Walnut wood enclosures: 4x16 1/2x9". AC.

14 B 6026 U. Shpg. wt. 21 lbs. **129.95**



NEW! Craig 8-track Player—Stereo FM/AM Radio Combination

169⁹⁵

Model 3206. Player combined with solid-state stereo FM/AM radio and extending speakers makes a versatile, compact home entertainment center. Player features automatic channel selector, simple combination program-change and cartridge-eject button. FM with AFC; stereo indicator light. Volume, balance and tone controls. Response: 70-10,000 Hz. Black and chrome styled walnut grained cabinets. Player/Radio, 4x11 1/2x9 1/2". Walnut speaker enclosures, 11 1/2x9 1/2x4 1/2". AC.

14 B 6003 X. Shpg. wt. 26 lbs. **169.95**

Play-anywhere 8-track Tape Players for indoor-outdoor stereo

Model 3202. Take exciting stereo anywhere you like with this 8-track portable tape player/radio combination. Operates from built-in AC line cord, "D" batteries (not included), or 12 volt car and boat cigarette lighter. Pre-recorded 8-track tapes. Just snap cartridge—no winding or threading. AM ferrite core antenna, external FM antenna. FM has AFC for drift-free reception. Folded dimensions: 14x11 1/2x7".

14 B 3202 X. Shpg. wt. 17 lbs. **99.95**

Model 3201. **Battery/AC 8-track Stereo Cartridge Player.** Plays anywhere: car, boat from external source. Also from internal batteries. There's no winding... all you do is snap in any pre-recorded 8-track tape and enjoy exciting listening. Speakers separate for full-range stereo. Solid-state circuit. Tone controls, manual channel selector. Size, 11x11 1/2x7". Includes batteries, 12-VDC car cord, built-in AC line cord.

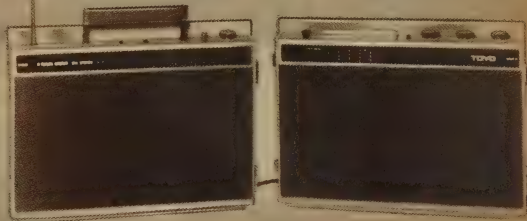
14 B 3201 X. Shpg. wt. 10 lbs. **79.95**

Model 3202. Record and play your own cartridge anywhere with this solid-state 8-track stereo component. Use any of three sources and listen to full-fidelity sound from two separately enclosed six inch speakers. Operates on built-in AC line cord, batteries, 12 VDC cord for car or boat. Features automatic or manual program change. Volume, tone controls. Folded dimensions: 14x11 1/2x7".

14 B 3202 X. Shpg. wt. 15 1/2 lbs. **129.95**

NEW! Toyo 8-track Player with Stereo FM/AM Radio

99⁹⁵



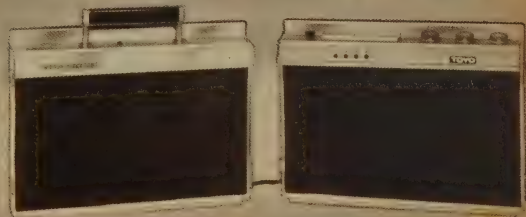
Battery/AC 8-track Stereo Cartridge Player

79⁹⁵



NEW! Toyo 8-track Stereo Recorder/Player

129⁹⁵



**Record your own fine
stereo tapes using
easy-loading cassettes**



(B)

AMPEX

*Stereo mixing with
individual controls
and switchable ALC*

149⁹⁵



(A)

PANASONIC

*Features automatic
stop, digital counter
two level meters*

89⁹⁵

**The perfect addition to
your stereo music system
.. a cassette Tape Deck**

*Record and play
through your
present stereo
music system
or console*

94⁹⁵ (C)



(D)

139⁹⁵

SONY/SUPERSCOPE



(E)

AMPEX

139⁹⁵

*Handy front-
slot-loading
design*

Add a Stereo Cassette Tape Deck to your system

Manasonic Stereo Cassette Tape Deck

Model 256US. Smart styling and top stereo performance at a great price. Records and plays easy-loading cassette tapes through any stereo music system or console. Offers keyboard-type pushbutton controls, recording level meter, 2 channels, digital counter for easy tape indexing, telephone jack for private listening. Has automatic fast forward and rewind. Records and plays both stereo and mono. Frequency response of 30-12,000 Hz. Inputs for two microphones and two auxiliary. Includes handsome walnut veneer case, 11x10x10". AC.

U. Shpg. wt. 10 lbs. **89.95**

Ampex professional Stereo Cassette Deck

With handsome smoked plastic panels and walnut veneer, this versatile deck is a beautiful addition to your stereo system that provides beautiful sound to match. Features stereo mixing with individual level controls—mike and line for each channel. Keyboard-type pushbutton controls for all functions, "pop-in" cassette loading, recording indicator light, digital counter, 2 level meters. Automatic Level Control assures virtually distortion-free recordings—switches out for full dynamic music range. Frequency response of 40-12,000 Hz. With 2 microphones and a constant speed tape cassette. Overall size, 10x16x16x10".

U. Shpg. wt. 15 lbs. **149.95**

Sony/Superscope Deck with tape alarm

Model 2. A modest price for Sony recording quality and convenience of easy-loading tape cassettes. Handsome design features Automatic Level Control for perfect, distortion-free recordings every time. Records and plays blank tapes and plays all standard pre-recorded cassettes through your present music system. Has DC motor for superb regulation; lockable fast forward and rewind. Two VU meters; end-of-tape alarm; headphone jack for added convenience of private listening. Frequency response, 50-10,000 Hz. Size, 3 1/4x11 1/2x8 1/2". AC.

X. Shpg. wt. 8 lbs. **94.95**

Sony/Superscope Cassette Deck with ALC

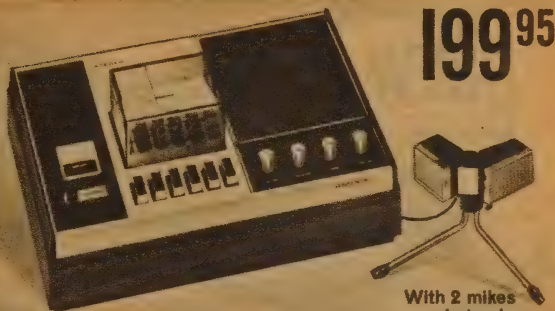
Model 7. Sophisticated circuit gives peak stereo performance. Handsome design to complement your music system. Lets you record your own stereo tapes on easy-loading cassettes, or enjoy the wide selection available of pre-recorded tapes. Features sliding-pot volume controls and Automatic Level Control with manual defeat and manual circuit. The combination of digital tape counter, fast forward, and lockable fast forward and rewind buttons for tape editing quick and accurate. Two recording level meters assure perfect recordings every time. Stereo headphone jack. Variable line output to match signal strength to the requirements of your music system. Frequency response, 30-12,000 Hz. Size, 3 3/4x15 1/4x8 3/4". AC.

X. Shpg. wt. 11 lbs. **139.95**

Ampex Stereo Cassette Tape Deck

An exciting revolutionary idea in home stereo entertainment and listening pleasure. A cassette tape play/record deck that is *slot-loading*. All you do is slide the cassette into the slot for fast recording or playback. Cassettes are automatically ejected at the end of a side (unit shuts off by a "Lumber Switch" is on) . . . or you can manually eject. A tape viewing window lets you see the tape index markings; 3 digit counter for precision indexing. A noise suppression filter eliminates any tape hiss on recorded cassettes. Stereo-mono switch. Hysteresis-synchronous motor provides constant speed regardless of tape fluctuations. Record level meters. Mike and line input cord. Response: 40-12,000 Hz. AC. Size: 16 1/2x10x10".

X. Shpg. wt. 8 lbs. **139.95**



With 2 mikes and stand

Ampex auto-changer Stereo Cassette Deck gives you many hours of fine sound

- Stack up to 6 cassettes on automatic changer
- Built-in 20-watt amplifier for use as player

Micro 95D. Automatic changer lets you stack up to 6 cassettes at one time for a full 6 hours of stereo playback or recording. Plays and records superb stereo through your present music system and also allows you to connect optional speakers to a 20-watt peak music power monitor amplifier.

Features "posi-touch" pushbutton function controls, bass/treble and balance controls. Lighted VU meter with individual record and play level controls. Digital counter for easy indexing. Smooth synchronous motor provides constant speed. Inputs: mike and line. Outputs: line and monitor speakers. With 2 dynamic mikes on unique stand. Frequency response, 50-10,000 Hz. Deluxe walnut case, 15 1/4x9 1/4x4 3/4". AC.

14 B 6044 X. Shpg. wt. 10 lbs. **199.95**



Highly accurate hysteresis-synchronous motor

Teac automatic-shutoff Cassette Deck for superb stereo performance

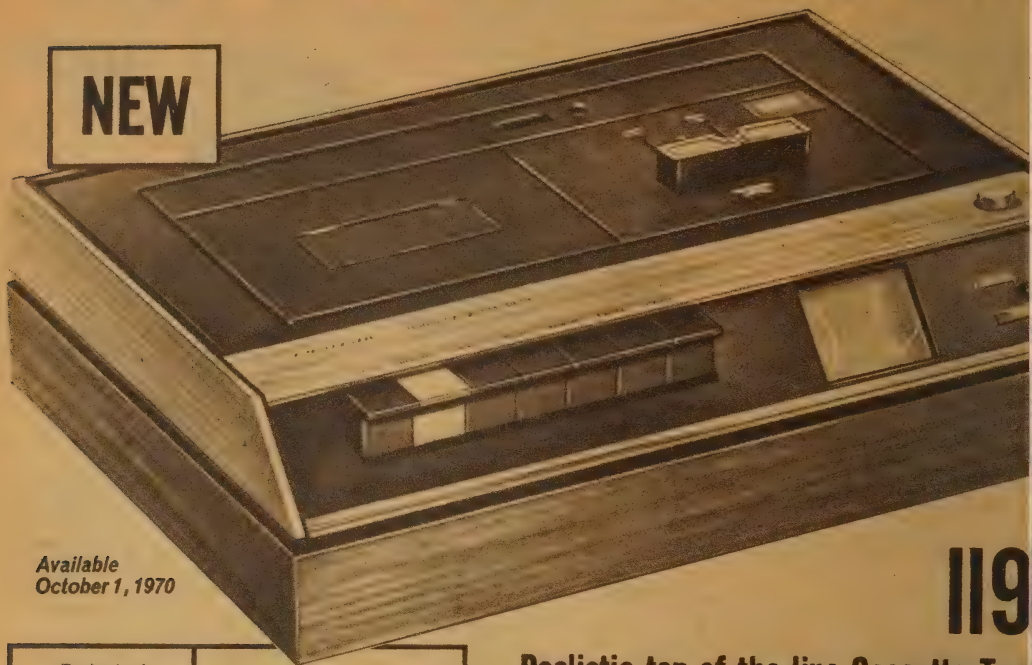
Model A-24. Handsome deck provides full-fidelity tape deck performance plus cassette convenience. Plays and records stereo or mono through your present system or console. Quality features include: end-of-tape sensing circuit and automatic shutoff, input selector switch, all-silicon transistor preamplifiers, fast forward and rewind, pause control. Powered by a hysteresis synchronous outer-rotor motor combining accurate speed with low flutter and wow. Dual VU meters for perfect recordings; digital tape counter. Front-panel stereo headphone jack. Frequency response, 40-12,000 Hz. Inputs: line, tuner, mikes. Size, 13 1/2x9 3/4x3 3/4". Less mikes. AC.

14 B 6046 X. Shpg. wt. 12 lbs. **190.50**

For more information on our Cassette Deck with no money down . . . see page 331 for details

Full-feature Realistic Stereo Cassette Decks

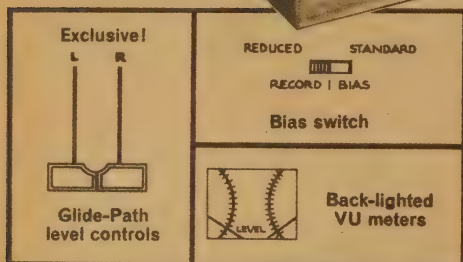
NEW



Available
October 1, 1970

119

Realistic top-of-the-line Cassette Tape



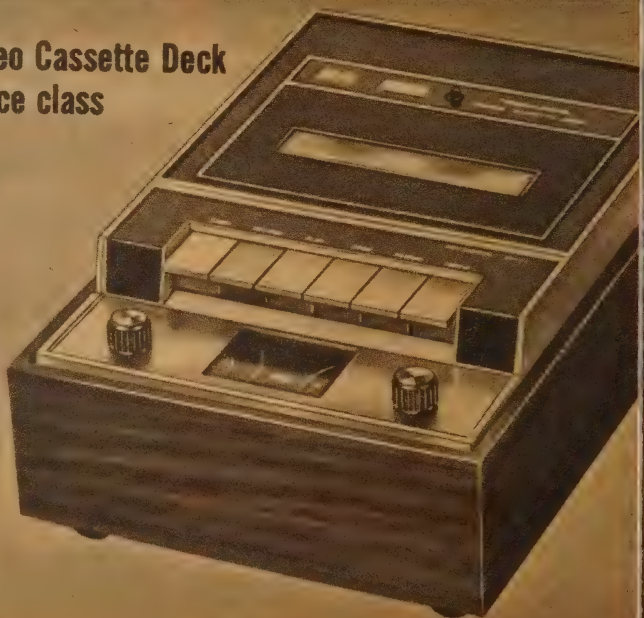
Model SCT-5. An advanced cassette tape deck with deluxe features for perfect recordings. Features a hysteresis synchronous motor that maintains precise tape speed under any usage condition and an auto stop that removes the pinch roller and shuts the SCT-5 off when the tape is ended. Has Glide-Path level controls and seven pushbutton controls including a two-step rewind to locate a selection on the digital counter, a two-step pause control that lets you momentarily or lock in pause position. Has adjustable output level control to match recorder output to amplifier or receiver. Deluxe oiled walnut cabinet with aluminum panel. 50-12,000 Hz. Size, 13 $\frac{1}{2}$ "x9 $\frac{1}{2}$ "x3 $\frac{1}{2}$ ". 14 B 865 X. Shpg. wt. 9 lbs.

Lowest priced Realistic Stereo Cassette Deck outperforms others in its price class

89⁹⁵

- Pushbutton controls
- Dual level meters
- Reset tape counter

Model SCT-3. The stereo tape deck for people who enjoy operating simplicity—no more tape handling or threading. Add this deck to your hi-fi system or console and record and play mono or stereo tape cassettes or play pre-recorded stereo cassettes. Individual right and left channel record level controls with dual illuminated VU meters for perfect recordings every time. 3-digit reset counter helps pinpoint selections. Pushbutton controls for all operating modes—record, play, fast forward, rewind, stop, cassette eject. Mike and auxiliary inputs, preamp outputs. Exclusively engineered AC-line frequency-controlled motor. Frequency response, 50-10,000 Hz. Hand-some oiled walnut cabinet, 10 $\frac{1}{2}$ "x7 $\frac{1}{2}$ "x4". AC. 14 B 861 X. Shpg. wt. 7 lbs.**89.95**



Realistic stereo Cassette Tape Recorders



NEW

*Complete center
for recording and
radio and tape
stereo listening*

Available
October 30, 1970

199⁹⁵

"Cassanova" AM/FM Stereo Cassette Music Center

Our exciting new music center combines a top-quality AM/FM stereo receiver and an advanced stereo cassette recorder in a single walnut cabinet. Delivers really great sound with matching air suspension speakers. Features concentric record level and volume controls so you can adjust each channel for perfect recording or playback. Illuminated VU meters, monitor switch, front panel headphone jack, pushbutton tape controls, digital counter. Has input for magnetic cartridge changer and mike inputs. With 2 dynamic mikes plus stand. Center section, 17x11x5". Each speaker, 9 $\frac{1}{2}$ x7 $\frac{1}{2}$ x12 $\frac{1}{4}$ ". AC.

14 B 863. Shpg. wt. 25 lbs. **199.95**

Complete your "Cassanova"
Stereo System with a
Great Automatic Turntable



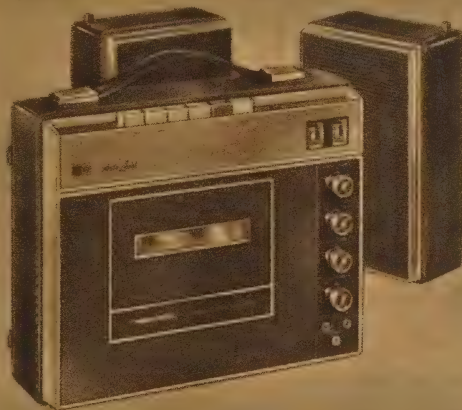
*Diamond
stylus with
magnetic
cartridge*

"Cassanova"
Realistic
LAB-12
Automatic changer

237⁴⁵

ately \$247.45. The Realistic LAB-12 automatic changer is the perfect mate to "Cassanova." Makes a complete system of high-quality components with everything you need to enjoy today's fine stereo sound. LAB-12 is a first class turntable custom-made in England for Realistic. Features a statically-balanced 4-pole motor, cueing and auto control, adjustable anti-skate compensation, stylus pressure adjustment, Shure diamond stylus magnetic cartridge, and walnut-paneled base. Plays 12" and 10" records; 4 speeds. AC.

14 B 860. "Cassanova" with LAB-12 automatic changer. Shpg. wt. 35 lbs. **237.45**



Realistic Stereo Cassette Tape Recorder

*Operates on AC
or batteries for
music on the go*

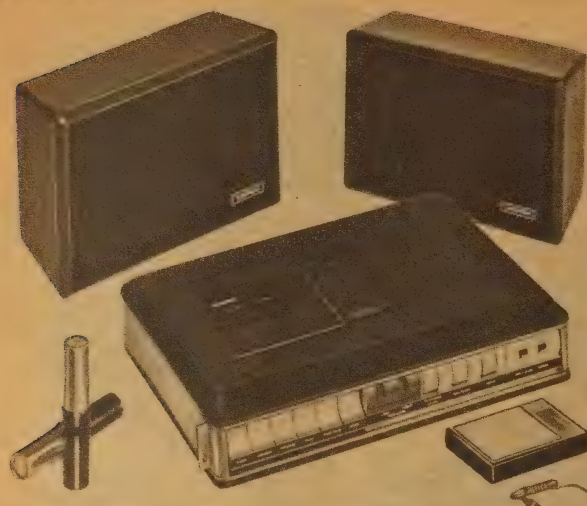
119⁹⁵

Model SCT-2. Great for indoor or outdoor use! Solid-state circuits operate on either AC or batteries. Detachable wing speakers fold back for compact carrying. Features dual VU meters, convenient pushbutton controls, tone and volume controls for each channel, monitor switch. Automatic level control assures distortion-free recording every time. Auxiliary inputs for off-the-air recording and mixing. Includes patch cord and 2 dynamic microphones—one with remote start/stop switch. Size, 11x8 $\frac{1}{2}$ x6 $\frac{1}{2}$ ". Batteries not included.

14 B 860. Shpg. wt. 12 lbs. **119.95**
23 B 466. "D" Batteries. Uses 6. Shpg. wt. 6 oz. Each **19.95**

with no money down . . see page 331 for full Credit details

Quick-load Stereo Cassette Recorders for home or



Ampex battery/AC stereo Cassette Recorder with remote control

159⁹⁵

- Switchable ALC
- End of tape alarm
- Transistorized mo

Micro 70. Deluxe model features built-in 5" speaker when you're on the go plus two extension speakers at home. Switches instantly to stereo or mono. F pushbutton controls plus thumb wheel volume, balance controls. Automatic record level control switch for voice recordings, off for taping music. Conveyor of tape alarm. 2 record level/battery indicator counter. Response, 100-10,000 Hz. Operates on "D" cells and has input for 12 VDC adapter. Other mike, 2 line. Outputs: 2 external speakers/earphone. With remote control mike, earphone, carrying case unit, 3x7x12". Speakers, 9x6 1/2x4".

14 B 6110 X. Shpg. wt. 18 lbs.

Hear great FM-AM
or play cassettes
anywhere you go

159⁹⁵

Handsome unit
fits in the
tightest spots

199⁹⁵

Operates on
batteries or
house current

139⁷⁹

Delivers full
35 watts for
superb sound

199⁵⁰

Craig battery/AC Recorder/R

Model 2609. This solid-state model is an excellent for music lovers on the move. Operates on AC or 6 batteries. Lets you record stereo directly from built-in FM-AM radio or from mikes. Swing-out extension speaker detachable for extra-wide stereo separation. Volume, tone and balance controls. Automatic stereo indicator and stereo indicator light. Automatic level control. Inputs: 2 mike, 2 auxiliary. Extension speaker outputs remote control dynamic mikes. 12 1/2x6 1/2x8 1/2".

14 B 6108 X. Shpg. wt. 14 lbs.

Craig home recorder with FM

Model 2705. Attractive home stereo center combines recorder/player with FM-AM radio. Lets you record favorite programs and songs directly from radio or own tapes from mikes. Slide controls for volume and tone. Dual level meters assure perfect stereo recording every time. Recording controls and jacks are behind front panel. Inputs: microphones, auxiliary outputs. Walnut-finish cabinets. With 2 dynamic Main unit, 15 1/2x10 1/2x4 1/2". Speakers, 7x6x10". AC.

14 B 6109 X. Shpg. wt. 11 lbs.

Concord stereo Cassette Reco

Model F-400. Snap in convenient cassettes and you to record or play your favorite sounds. Dependable state unit tapes 4-track stereo or mono. Switchable automatic level control gives you distortion-free recordings or wide-response music recordings. Features built-in speakers and outputs for two extension plus preamp output. Fast-action pushbutton comes complete with dynamic remote-control blank cassette. Size, 9 3/4x12 3/4x3 3/4".

14 B 6062 U. Shpg. wt. 12 1/2 lbs.

Concord stereo recorder with F

Model F-600. This compact powerhouse puts out 35 watts to give you the full dynamic impact of the commanding musical passages and highest amplitude. Record full-dimensional stereo on convenient cassettes directly from built-in stereo FM radio or phonograph. Record your own stereo programs from microphone. Acoustically matched speaker systems assure superb stereo sound. Carrying handle. Vinyl-covered wood. Mike. Main unit, 9x18 1/2x12 1/2". Speakers, 12 1/2x9x4 1/2".

14 B 6061 U. Shpg. wt. 32 lbs.

Record your own music programs on handy Cassettes

Battery/Superscope full-feature compact Battery/AC Stereo Cassette Recorder

Two detachable speakers for home stereo
Built-in speaker for "traveling music"
Separate volume and tone controls

C-505W. Take exciting mono with you wherever you go or your own home stereo sound system. Battery/AC stereo recorder comes complete with built-in speaker *plus* two wide-range speakers for true stereo separation. Convenient pushbutton operation; pop-up cassette ejector; automatic recording control. Has record level/battery indicator, tone and volume controls; balance control. PA capability. Microphone and auxiliary inputs; stereo speakers, headphones. 4-track stereo (compatible with 2-track mono) system at 1 1/2 ips. Response, 50-10,000 Hz. S/N, 45 dB. Power, 0.28%. Stereo mike, C-60 cassette, earphone, 2 patch cables, AC cord, carrying case. 2 1/4 x 6 1/4 x 9 3/4". U. Shpg. wt. 12 lbs. **189.95**



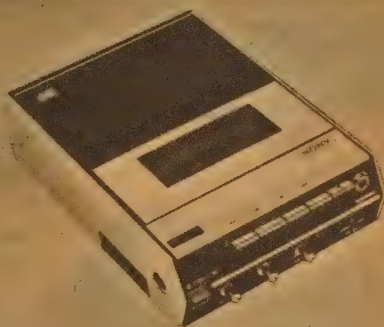
189⁹⁵

Battery/Superscope Stereo Recorder

C-506W. Compact has its own built-in speaker to give you mono wherever you go. Add two speakers and you can record excellent 4-track stereo at 1 1/2 ips. Complete 2-track mono. Easy-to-use pushbutton operation. Tone, volume and balance controls let you adjust precise sound-quality you want to hear. Sonomatic control assures clean, natural recordings every time. Record level/battery indicator. PA capability. Inputs for microphone and auxiliary. Outputs for stereo speakers, headphones. Response, 50-10,000 Hz. Complete with stereo mike, C-60 cassette, earphone, batteries, AC power cord, carrying case. 2 1/4 x 6 1/4 x 9 3/4". U. Shpg. wt. 5 lbs. **159.95**

Plays/records
cassettes on
AC or batteries

159⁹⁵

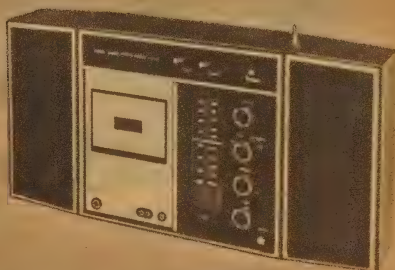


Compact Stereo Recorder with FM-AM

C-505W. Hear all of your favorite music from easy-to-use cassettes or stereo FM-AM radio. Unit operates on AC or so you can take your music with you wherever you go. Record all of today's pop tunes directly to tape or use microphones to record lectures, get even your own sound shows. Excellent 4-track recordings every time. Two detachable speakers separate full-dimensional stereo. 100-10,000 Hz response. Sonomatic circuit assures long dependable service. Inputs for microphone and auxiliary. Outputs for 2 speakers and headphones. Complete with 2 mikes, 6 "D" batteries, C-60 cassette. Overall size, 12 1/2 x 17 1/2 x 3 1/2". U. Shpg. wt. 15 lbs. **159.95**

Operates on AC
or batteries ...
goes anywhere

159⁹⁵



Compact battery/AC Recorder/Radio

C-606W. Record and play your own 4-track stereo anywhere you go. Versatile unit lets you take your favorites with you everywhere. Records stereo from built-in stereo FM-AM radio or from mikes. Volume, tone and balance controls let you adjust room acoustics and your personal tastes. Two level controls assure perfectly balanced, distortion-free recordings. Speakers separate to give full stereo effect. Clean sounding 100-10,000 Hz frequency response. Solid construction assures long dependable life. Inputs: 2 mikes, 2 patch cables. Outputs: 2 speaker, headphones. Complete with 2 patch cables, C-60 cassette. 13 x 10 x 4 1/2". U. Shpg. wt. 12 lbs. **179.95**

Tape favorite
radio shows for
"instant replay"

179⁹⁵



Latest values in stereo cas



Make tapes
at home or
on the go

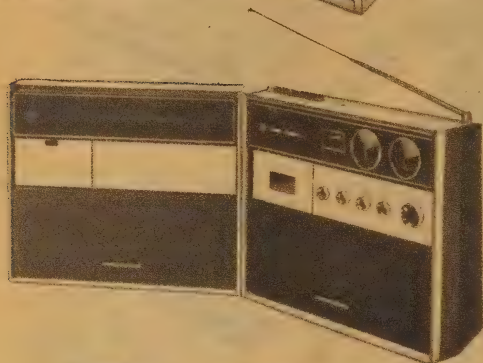
99⁹⁵

Panasonic Battery/AC Reco

- Two built-in dynamic speakers
- ALC plus two record level me

Model RS-254S. Take all of the music you w along with you wherever you go. Or make on-the- ings of speeches, concerts or get-togethers. portable unit has two built-in dynamic speakers stereo. Automatic recording level control plus on both channels assure perfect recordings. Fast-action pushbutton controls. Two continuo trols for perfect bass-treble balance. Two sepa controls. Automatic shutoff. Solid-state circu headphone jack. 12 3/4"x10x4". With remote pencil stand, C-7 cassette, 6 "D" batteries.

14 B 6123 X. Shpg. wt. 10 lbs.



Records and
plays on AC
or batteries

149⁹⁵

Panasonic Recorder/FM-/

- Portable fold-together case
- Speakers separate for stere

Model RF-7490. Excellent as a home stereo go-anywhere portable. Compact fold-togeth case lets you separate 6" speaker systems dimensional stereo listening. Separate FM tuning dials let you stay tuned to one sta finding another. AFC for drift-free FM r Handy pop-up cassette loading. Tuning/r battery meter assures best possible sound. be used as a deck and tuner to add versatili home music system. 13 1/2"x11x4 1/4". With n phone, pre-recorded cassette, six "D" batteri

14 B 6093 U. Shpg. wt. 28 lbs.



Modernistic styling
adds to any decor

159⁹⁵

Panasonic Recorder with FI

- Super sensitive FET stereo tu
- Speakers can be ceiling-mour

Model RS-252S. Strikingly modern cassette features two "Solar Scoop" speakers that mounted on ceiling for futuristic effect. Ste AM FET tuner has AFC. Illuminated slide-rul position Select-O-Dial lever-type controls. tone and volume controls. Pushbutton pop sette system. Mono/stereo record/playback over switch. Speaker switch. Two large level Stereo headphone and auxiliary jacks. So circuitry for long reliable service. 19 1/4"x11 Dynamic mike with stand and C-30 cassette

14 B 6124 U. Shpg. wt. 24 lbs.

Big sound from a compact size



139⁹⁵

Craig stereo Recorder/Pla

- Keyboard-type pushbuttons
- Automatic level control

Model 2707. This compact system records ar 4-track stereo or mono on snap-in cassettes. S speaker systems give you full-dimensiona sound. Keyboard-type pushbuttons give you control of all operations. Slide controls f balance and volume. Automatic level contr nates error in recording volumes. Digital cou you find individual selections quickly and Entire three-piece system is finished in ha walnut-veneer wood cabinets. Recorder, 3 7 1/4". Speakers, 14 1/4"x7 1/4"x3 1/4". AC.

14 B 6099 U. Shpg. wt. 29 lbs.

Recorders

Amex Recorder with Stereo FM-AM

- ALC and level meters
- Hysteresis-synchronous motor

Model 87R. Complete sound center includes stereo cassette recorder, stereo FM-AM tuner, amplifier and two speakers—a handsome 3-piece walnut ensemble. Recorder has Automatic Level Control and level meters for free recordings every time. Digital counter, smooth hysteresis-synchronous motor. Radio has FET front give great reception. Stereo light, "disappearing" control center has bass, treble and volume controls. for mikes, magnetic phono, line; stereo headphone response, 40-12,000 Hz. Control center, 10x16x5 $\frac{3}{4}$ ". Speakers, 9x14 $\frac{1}{2}$ x7 $\frac{1}{4}$ ". With 2 mikes, tape. AC. \$369.95 U. Shpg. wt. 36 lbs. **269.95**



Record directly from stereo FM-AM or from microphones

269⁹⁵

Ampex high-quality Recorder

- Powerful 50-watt amplifier
- Pushbutton function controls

Model 87. Records up to 120 minutes of stereo from sound source—radio, phono, or live performances. Plays all prerecorded stereo and mono cassettes with 50 watts of power through wide-range 6x9" speaker systems. Switchable automatic level control. Convenient pushbutton function controls. Digital counter for indexing tapes. Headphone output. Record level meter. Synchronous motor provides constant speed. Handsomely finished in walnut cabinet. Complete with two mikes, blank cassette. Control unit, 10 $\frac{1}{2}$ x16 $\frac{1}{2}$ x5 $\frac{3}{4}$ ". Speakers, 9x14 $\frac{1}{2}$ x7 $\frac{1}{4}$ ". AC. \$369.95 U. Shpg. wt. 34 lbs. **199.95**



ALC switches on for voice recordings, off for music

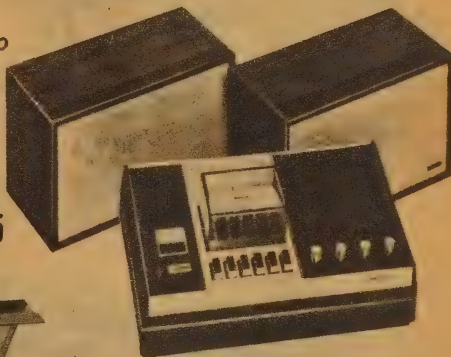
199⁹⁵

Ampex "auto-change" recorder

- Holds up to six cassettes
- Stores tapes automatically

Model 95. Stack up to 6 cassettes at one time and play a full 6 hours of non-stop stereo recording or playback. No running back and forth to change cassettes. Automatically moves finished cassettes into special storage compartment. Easy-to-use pushbutton record function controls. Record level meter for accurate monitoring for flawless recordings. Solid-state circuit assures years of cool dependable operation. Matched 6x9" speakers in walnut enclosures. Preamp outputs. Control center, 15 $\frac{1}{2}$ x9 $\frac{1}{2}$ x4 $\frac{3}{4}$ ". Speakers, 9x14 $\frac{1}{2}$ x7 $\frac{1}{4}$ ". Two dynamic mikes. AC. \$369.95 U. Shpg. wt. 22 lbs. **269.95**

Plays up to 6 hours non-stop



269⁹⁵

Crown Recorder with FM-AM

- Two omnidirectional speakers
- Two recording level meters

Model SHC-47F. This distinctively designed model offers beautiful 4-track stereo cassette recording and playback plus great stereo FM-AM. Unique downward facing omnidirectional speakers give extra-wide stereo dispersion wherever they're placed. Two record level meters give you flawless recordings. Push-action keyboard-type controls. Solid-state circuit for long reliable life. Clean natural response from 100 to 10,000 Hz. Inputs for two mikes and two auxiliary. Headphone jack. Includes remote control receiver. Each, 20 $\frac{1}{2}$ x9 $\frac{1}{2}$ x9 $\frac{1}{4}$ ". AC. \$299.95 U. Shpg. wt. 23 lbs. **219.95**



Modern styling and compact size to fit anywhere

219⁹⁵

1¢ SALE



C-60 Tape Cassette (reg. \$1.49)

60-minute Cassette only 1¢ more
you buy a Realistic portable recorder

Realistic "Jet Set" battery/AC Portable

Model CTR-6. Swing into '71 with this low-cost cassette portable. Makes it easy to record and play tapes wherever you go. Operates on batteries or AC, with single-knob function control for fast forward, stop, play, record and rewind. Cassette ejection lever. Perfect recordings with Automatic Level Control. Built-in AC cord; earphone jack. Only 10 1/4 x 9 x 2 1/4". With remote control microphone. Shpg. wt. 6 lbs.
14 B 858 X. 39.95

SAVE on Cassette Bonus! C-60 60-minute tape cassette only 1¢ more.
34 B 5214 X. 6 1/2 lbs. Both 39.95

One-knob
function
control

39⁹⁵



SAVE with
Cassette
Bonus!



Realistic deluxe battery/AC pushbutton Compact with "Auto-Level" recording

59⁹⁵

- Continuous tone control
- Cassette ejection button
- Pushbutton controls

Model CTR-2. First-class cassette recorder offers so many features that it's hard to believe it's so inexpensive. Records with high fidelity and fidelity of reel-to-reel recorders. Has pushbutton fast forward and record controls; record interlock that prevents accidental recording level/battery indicator. With remote control microphone, leather carrying case. 2 1/2 x 5 1/2 x 9 1/4".
14 B 852 X. Shpg. wt. 5 lbs.
34 B 5211 X. Recorder with Cassette Bonus. Shpg. wt. 5 lbs.
23 B 467. Batteries. (6 required). Shpg. wt. 2 oz.

Realistic portable Cassette Tape Player

Model CTP-1. Great sound at a penny-pinchin' price! Listen to your favorite recording artists wherever you go. Dependable solid-state circuit makes this player the perfect companion at home, on the beach, or in the car. Operates anywhere from batteries, or optional AC adapter. Complete with external speaker jack, earphone for private listening, batteries. Shpg. wt. 4 lbs.
14 B 856 X. 21.95
AC Adapter. For above.
14 B 854. Wt. 1/2 lb. 5.95

21⁹⁵



29⁹⁵



Compact pushbutton Cassette Recorder

Realistic CTR-5. High-priced performance at a moderate price. Instant-play solid state circuit, interlock to prevent accidental erasure, battery/level indicator, input for off-the-air recording. With remote mike and case, batteries.
14 B 857 X. 9 1/4 x 4 1/4 x 2 1/4". Shpg. wt. 4 lbs.
34 B 5213 X. Recorder with Cassette Bonus. 4 1/4 lbs.
14 B 854. AC Adapter. Shpg. wt. 1/2 lb.

See page 331 for full Credit details . . . buy with no money

Realistic "ette" compact portable Tape Recorder

NEW '71

69⁹⁵

Built-in mike • Wrist strap
Positive-action slide controls
Jacks for external mike, earphone

This recorder is perfect for recording lectures,
notes, as a study aid, dictating letters as you
listen to pre-recorded tapes! Records
instant-load cassettes up to 2 hours. Fea-
tures positive action slide controls, record level/bat-
tery, built-in mike, plus external mike, earphone
adapter jacks. Operates on 4 penlite batteries.
Carrying case. Only 6 $\frac{1}{4}$ "x3 $\frac{3}{4}$ "x1 $\frac{1}{4}$ ".

X. Shpg. wt. 4 lbs. 69.95

with Cassette Bonus.

X. Shpg. wt. 4 $\frac{1}{4}$ lbs. 69.96

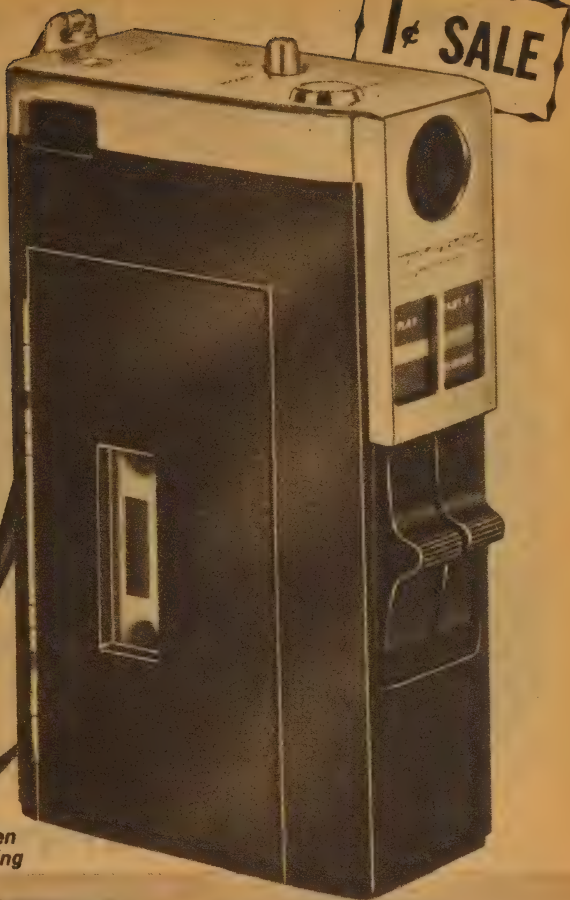
"AA" Batt. 4 oz. Pkg. of 4 for 1.89

Carrying
protects
r wherever
level

BUILT-IN MIKE



Easy to
record, even
while driving



Realistic ry/AC Portable ette Tape Recorder

NEW '71

74⁵⁰

CTR-4. Realistic's most advanced go-any-
cassette recorder, loaded with "pro" features.
FET circuit, pushbutton controls, monitor/
vision. Choice of Auto-Level or meter record-
ing/voice tone control; jack for direct record-
ing outside sources. Mechanical pause; reset
external speaker jack. Operates on AC or 4
batteries. With remote mike. 12 $\frac{1}{4}$ "x3 $\frac{3}{4}$ "x8 $\frac{1}{2}$ ".

X. Shpg. wt. 7 lbs. 74.50

with Cassette Bonus.

X. Shpg. wt. 7 $\frac{1}{4}$ lbs. 74.51



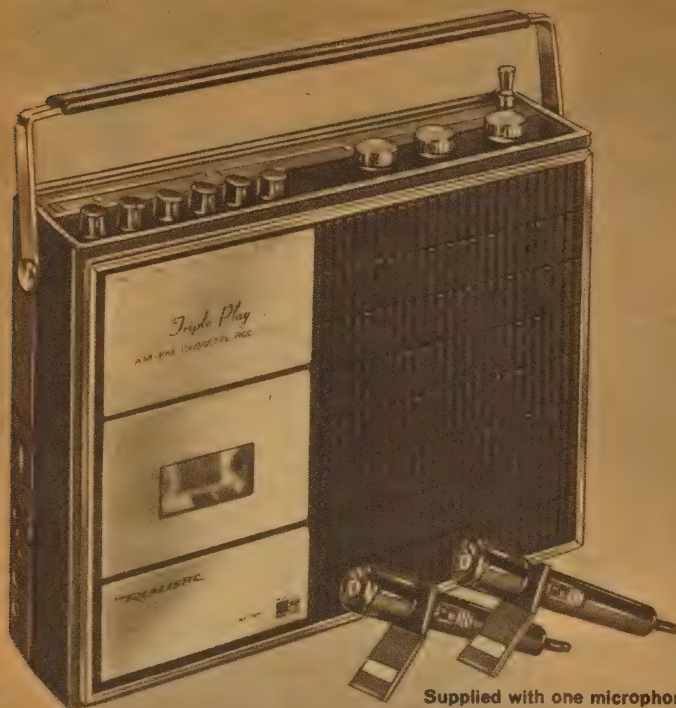
Storage for
2 cassettes

Battery storage
compartment

Storage for
mike, AC cord



Realistic portable Recorders for on-the-go music



Supplied with one microphone

Battery/AC Cassette Player/Recorder with built-in FM-AM Radi

All-new for 1971 . . as you li
to FM or AM, record you
favorite tunes for "instan
replay" anywhere, anytim

79⁹⁵

Model CTR-8. Make your own cassette
ly "off the air" any time, any place.
anywhere battery/AC "Triple Play"
tune in to any local AM or FM stati
at the same time record the program
venient cassettes. Or record "live act
using the remote control microphone
matic level control assures perfect v
cordings. Easy-to-use pushbutton c
Single-knob function control. Speaker
switch lets you hear tape while you
Record level/battery meter. Carry han
storage compartment for mike and A
Order 6 batteries below. 10 1/4x8x3".
14 B 866 X. Shpg. wt. 7 lbs.
23 B 466. "D" Batteries. 4 oz. E

Battery/AC Stereo Cassette Player/Recorder



With two mikes

119⁹⁵

Listen to your favorite stereo cassettes indoors or out

Model SCT-2. Use this quality-crafted
model as your permanent home sound
system or for dynamic stereo when
you're on the go. Automatic level con
trol gives you flawless voice record
ings. Two level meters let you adjust
for perfect music recording levels.
Tone and volume controls for each

channel. Two detachable speakers.
Two dynamic mikes, one with remote
start-stop switch. Also features aux
iliary inputs for off-the-air record
ing and mixing. Pushbutton controls.
With patch cord. Order six "D" bat
teries (above). 11x8 1/2x6 1/4".
14 B 860 X. Shpg. wt. 12 lbs. . . 119.95

Portable battery-operate Cassette Recorder/AM R

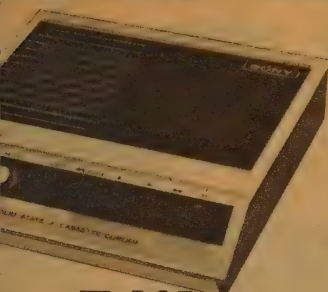
Model CTR-7. It's feathery-light and c
—take music along wherever you go
to AM radio and record your favorite pr
on easy-to-use cassettes. Automatic g
trol. Built-in retractable microphone.
inch speaker. Fast pushbutton casset
tion. Has auxiliary input and earphon
Operates on four batteries. Option
adapter below. 6 1/2x9 1/4x2 1/4".
14 B 859 X. Shpg. wt. 3 lbs.
14 B 854. AC Adapter. Shpg. wt. 1 lb.

49⁹⁵

Battery-
operated . .
take it
anywhere



Advanced design monophonic Cassette-Corders from Sony/Superscope



74⁹⁵

Compact battery/AC portable instant-load Cassette-Corder

Model TC-70. Perfect for business. Easy-to-operate start-stop mike for dictation . . . back space cuing for easier transcribing. Instant cassette loading . . . all you do is snap in the cassette. And when the end-of-tape alarm sounds you simply press the ejector button and flip the cassette over for more recording. Level/battery meter. Uses 4 "C" batteries or 117 VAC. With mike, earphone, four "C" batteries, tote bag for recorder, accessories. 2 $\frac{1}{4}$ "x8 $\frac{1}{8}$ "x8 $\frac{1}{4}$ ".

14 B 6038 X. Shpg. wt. 9 lbs. **74.95**



109⁹⁵

Battery/AC Cassette-Corder with electret condenser mike

Model TC-110. Here's a real compact in cassette recorders . . . even the sensitive mike is built-in. Also has jack for external mike. Great for business dictation, lectures, etc. Instant cassette loading . . . just snap in the cassette. Push button controls; level/battery meter; tone control; end-of-tape alarm; ejector button. Start-stop mike; set of batteries; leather carrying case; earphone; plus one C-60 cassette. Uses 4 "C" batteries or 117 VAC. Size: 5 $\frac{1}{2}$ "x2 $\frac{3}{4}$ "x9 $\frac{3}{4}$ ".

14 B 6039 X. Shpg. wt. 7 lbs. **109.95**



124⁹⁵

Executive Cassette-Corder operates from 3 power sources

Model TC-120. Deluxe recorder that features the latest in compact recorder technology. Built-in high-sensitivity mike; jack for external mike. Operates from 4 "C" batteries, rechargeable Ni-Cad batteries, or 117 VAC. Also has digital counter, level/battery meter, end-of-tape alarm. With start-stop mike, four "C" batteries, leather carry case, C-60 tape cassette, earphone, built-in recharging circuit. Really compact size for a recorder: 2 $\frac{1}{2}$ "x10 $\frac{1}{4}$ "x6".

14 B 6040 U. Shpg. wt. 9 lbs. **124.95**



99⁵⁰

Battery/AC Cassette-Corder with push-button controls

Model TC-80. Operates from 4 "C" batteries, rechargeable Ni-Cad batteries, or 117 VAC. Exclusive built-in electret condenser mike give executives freedom to dictate from distance without bothering with a mike. Input for remote start-stop mike. Features end-of-tape alarm and built-in rechargeable circuit for optional nickel-cadmium lifetime battery pack. With personal earphone, head cleaning pencil, leather carrying case and batteries.

14 B 6036 X. Shpg. wt. 5 lbs. **99.50**

NEW!



99⁹⁵

Here's a professional-quality pocket-size Cassette-Corder with built-in electret condenser mike

Makes good recordings anywhere—battery operated—and reproduces sound comparable to larger, more expensive models

Model TC-40. Fully self-contained cassette recorder is amazingly small and lightweight, actually fits in a coat pocket, and provides performance comparable to larger models. It's the ideal choice for business meetings, classroom lectures, anywhere good-quality voice recordings are desired. And you can carry and record in any position . . . counter-balance flywheel mechanism is designed for flawless operation in any operating position.

Features built-in electret condenser mike so there's no bothering with an external or remote mike. Also has built-in speaker for good sound reproduction. Combination record level/battery condition meter permits even-volume recording: shows when batteries become weak. Convenient push-button controls. Automatic recording control for distortion-free recording.

Operates on 4 "AA" batteries (included). With soft vinyl carrying case, shoulder strap, C-30 30-minute cassette.

14 B 6037 X. Shpg. wt. 3 lbs. **99.95**

Big selection of solid-state Tape Cassette Recorders

99⁹⁵



Ampex rechargeable battery/AC Recorder

Micro 24. Records/plays mono on cassettes. Uses 5 standard or rechargeable Ni-Cad "D" batteries or AC. Has 2-watt peak power; built-in 5" speaker. Fast forward, rewind, automatic recording level control, tone control, digital counter, level/battery meter. With mike, earphone, C-60 cassette, leatherette carrying case. 3x7x12". Will automatically recharge nickel cadmium batteries while operating on AC. Batteries not included.

14 B 6015 X. Shpg. wt. 8 lbs. 99.95

79⁹⁵



Ampex battery/AC Cassette Recorder

Micro 14. Offers professional features. Posi-touch pushbutton function controls. Switchable automatic level control for distortion-free recording. Transistor-regulated motor. Level/battery meter, tone control. Inputs: Mike, radio. Outputs: line, external speaker/earphone. Plug-in mike removes for remote use. earphone, carrying case, C-60 cassette and 4 "C" batteries. Size, 5 1/4 x 9 1/2 x 2 1/4".

14 B 6008 X. Shpg. wt. 8 lbs. 79.95

89⁹⁵



Ampex battery/AC miniature Cassette Recorder

Micro 7A. Ultra-compact unit records/plays anywhere on 3 rechargeable "AA" batteries or AC with adapter. Integrated circuit for low battery drain. Has automatic level control, pushbutton fast forward and rewind controls. Record interlock; record level/battery condition meter. Includes remote stop-start mike, C-60 cassette, batteries with recharge clip, AC adapter, earphone, deluxe leatherette carrying case. Only 6 1/4 x 1 1/4 x 4 1/4".

14 B 6009 X. Shpg. wt. 3 lbs. 89.95

Includes built-in
mike plus remote
start-stop mike

79⁷⁹



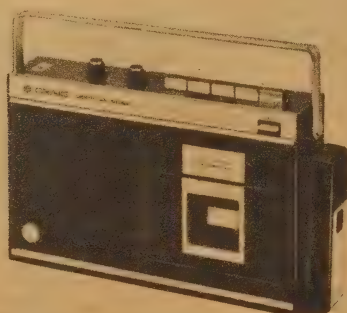
Concord deluxe battery/AC Cassette Recorder

Model F-98. Professional-quality recorder for school, business or pleasure. Records up to one hour on instant-loading cassettes. Uses 6 "C" batteries or AC. Features recording meter, tone control, digital tape counter. Selectable manual automatic record level control; servo drive motor with electronic speed control. Internal storage for two cassettes. With dual remote control mike, C-60 cassette. Less batteries.

14 B 6007 X. Shpg. wt. 8 lbs. 79.79

Cassette
"pop-up"
feature

54⁹⁵



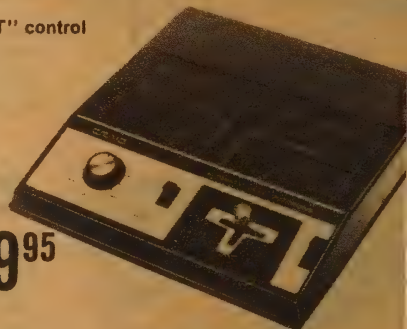
Craig battery/AC Cassette Recorder with ALC

Model 2611. Full-feature cassette recorder features Automatic Level Control to prevent distortion, assure steady volume. Uses 4 "C" batteries or AC. Compact, attractive styling with pushbutton controls for fast forward, rewind, record, playback and stop. Volume and tone controls. Built-in battery condition indicator. Cassette eject switch. Includes remote mike with storage clip and cord compartment, batteries. 6 1/4 x 10 x 2 1/4".

14 B 6016 X. Shpg. wt. 8 lbs. 54.95

Famous "T" control
for ease of
operation

39⁹⁵

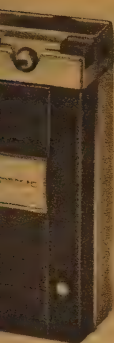


Craig battery/AC Recorder at low price

Model 2610. Now enjoy the convenience of compact cassette recording at a budget-pleasing price. Operates on four "D" batteries or AC. Has single lever "T" control for record, playback and stop. Automatic level control prevents recording distortion. Volume and tone control. Boasts fast and easy cassette loading and removal. Built-in speaker for fine quality sound. High power output. 3 1/4 x 10 1/4 x 9 3/4". Mike, AC cord. Less batteries.

14 B 6005 X. Shpg. wt. 8 lbs. 39.95

amous-quality Panasonic and Crown Cassette Tape Recorders



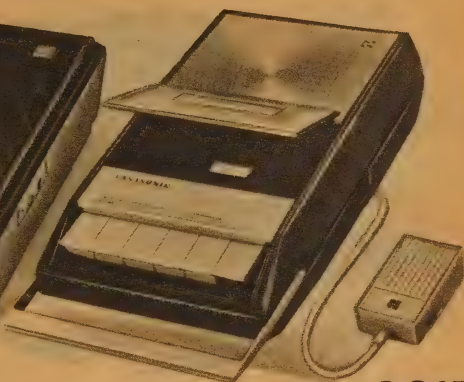
99⁹⁵

(A)



49⁹⁵

(B)



(C)

39⁹⁵

Panasonic RQ-210S. Battery-powered solid-state recorder that is truly portable. Has six integrated circuits for finest performance and compact size. Single touch-lever operation and pop-up cassette loading. Automatic level control cuts distortion. Record level/battery condition meter. Monitor output. With remote start-stop mike, 4 "AA" batteries, 30 cassette, earphone, carrying case. $1\frac{1}{2} \times 3\frac{3}{4} \times 6\frac{1}{4}$ ".

S. Shpg. wt. $2\frac{1}{2}$ lbs. **99.95**

Panasonic RQ-203S. Take this fine recorder anywhere for recording or playback of convenient cassettes. Operates on 6 "C" batteries or AC. Automatic level control prevents distortion. Boasts fast, easy pop-up cassette loading and removal. Single-knob function control. 3" speaker. Monitor output. With stop-start mike, batteries, cassette. $2\frac{1}{2} \times 9 \times 10$ ".

X. Shpg. wt. 5 lbs. **49.95**

Panasonic RQ-209S. Economy-priced recorder features pushbutton controls with fast pop-up cassette ejection. Plays on 4 "C" batteries or AC. Has fast forward and rewind controls. Automatic level control prevents distortion on voice recordings. Response, 80-8000 Hz. Mike and monitor outputs. With remote start-stop mike, pre-recorded earphone and batteries. Size, $2\frac{1}{2} \times 5\frac{1}{2} \times 10\frac{1}{4}$ ".

X. Shpg. wt. 3 lbs. **39.95**

Panasonic RQ-208S. Perfect for on-the-go or home recordings. Uses 6 "C" batteries or AC. Has three-position recording level control and level/condition meter for always-perfect recordings. Safety-lock record controls against accidental erasure. Digital counter and pause control for recording. Features "Pana-Ject" cassette system—just slide-in and automatically pops up at end of tape. Remote control mike with 30 cassette, patch cord, batteries. $8\frac{1}{2} \times 11\frac{1}{2} \times 3\frac{3}{4}$ ".

X. Shpg. wt. 6 lbs. **79.95**



79⁹⁵

(D)



95

on play-anywhere battery/AC Recorder

R-8750. Lets you record and play up to 2 hours of extra-track mono anywhere on easy-to-load cassettes. Works on batteries or AC. Pushbutton controls; record level/battery condition meter; tone control. Tape cassettes load or remove. Response, 100-10,000 Hz. 2×4 " dynamic speaker. With mike and batteries. Size, $2\frac{1}{2} \times 7\frac{1}{2} \times 7\frac{1}{4}$ ".

X. Shpg. wt. 6 lbs. **44.95**

Features easy-to-operate sliding controls



49⁹⁵

New at Allied! Crown battery/AC Recorder

Model CTR-320W. Instant operating cassette recorder has modern slide controls for fast forward, play, stop and eject. Operates from 4 "C" batteries or standard AC. "Lock" switch lets you stop tape at any point. Volume control, recording level meter. Jacks for mike, auxiliary and earphone. Unusually slim and compact. Stop-start mike, batteries. $9\frac{1}{2} \times 6\frac{1}{2} \times 2\frac{1}{4}$ ".

14 B 6004 X. Shpg. wt. 4 lbs. **49.95**

now with no money down . . . full Credit details on page 331

Compact play-anywhere Cassette Tape Recorders . . many

Built-in
battery
charger

129⁹⁵



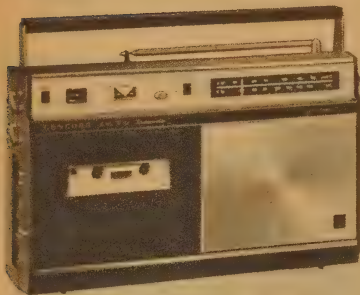
Ampex Cassette Recorder with FM-AM F and automatic recording-level control

Micro 32. A complete compact entertainment center that carried virtually anywhere. Full-feature monophonic recorder and FM-AM radio combination offer exceptional versatility. Record live, or from built-in radio. Automatic control assures perfect voice recordings every time, switched off for full-range music recordings. Pushbutton control for positive control. Features digital counter for and programming convenience, recording level/battery condition meter, built-in battery charger for optional ni-cad battery. Plays cassettes with over 2-watt peak music power through full-toned 5" speaker. Switch eliminates all radio interference during recording function. For use with batteries or AC. Complete outfit includes all accessories: remote control "star" microphone, deluxe carrying case, earphone for personal listening, and one C-60 cassette. Size, 3x7x12".

14 B 6080 X. Shpg. wt. 8 lbs.

Records
from FM-AM
or mike

89⁷⁹



Concord battery/AC FM-AM "Radiocorder"

Model F-103. Monophonic cassette recorder features built-in FM-AM radio. Portable recorder records and plays for up to two full hours on space-saving cassettes. Record directly from FM-AM radio, or live with microphone. Has record level/battery condition meter, AFC on FM, slide rule dial tuning, tone control. Use 5 "D" batteries (listed below) or AC. Comes complete with start-stop microphone. Size, 14 1/2x6x12 1/2".

14 B 6083 X. Shpg. wt. 12 lbs. **89.79**

23 B 4666. "D" Batteries. Shpg. wt. 10 oz. Pkg. of 6 for 95¢



99⁹⁵

Ampex battery/AC Recorder and FM-AM

Micro 34. Monophonic cassette recorder features built-in radio. Boasts positive action pushbutton controls, door, automatic level record control, battery condition meter, motor-regulated motor assures high-quality music recording. "Auto-charge" circuit automatically recharges optional cadmium batteries (not included). Unit comes complete with remote control start-stop microphone, earphone and 4 "D" Batteries/AC. Size, 12x3x7 1/4".

14 B 6079 X. Shpg. wt. 7 lbs.



Plays
anywhere!

99⁹⁵

Toyo portable Cassette Stereo Tape Recorder

Model 502. Take stereo with you—wherever you go! Portable cassette tape recorder features stereo record and playback. Use in home, car, boat, or as portable. Record "live," or directly from stereo FM tuner, stereo phono, etc. Recording level meters for each channel. AGC prevents blasting. AC/DC switch, right and left channel volume controls, tone control, function selector. Jacks for external 12 VDC, speakers and mikes. With 2 mikes, 12 VDC auto/boat cord. Battery/AC. 11x13 1/4x7".

14 B 6107 X. Shpg. wt. 15 lbs. **99.95**



99⁹⁵

Crown Cassette Recorder with 3-band F

Model CRC-7550F. Professional monophonic portable recorder boasts built-in AM-FM-SW radio. Shortwave from 6-18 MHz. Automatic tuning indicator lights. Stations are perfectly tuned. AFC for drift-free FM. Automatic level control for optimum performance. Positive pushbutton selector switches for AM, FM, SW, AF. Recorder, Monitor. 1-watt output. Jacks for external mike, auxiliary, earphone. Battery/AC. 10 1/4x8 1/4x2 1/4".

14 B 6082 X. Shpg. wt. 8 lbs.

See page 331 . . Buy your Cassette Recorder with no money

t-in FM-AM Radio and battery/AC versatility

ny/Superscope Recorder/FM-AM Radio

CF-300. A complete portable monophonic entertainment that goes where you do! Cassette recorder features built-in FM-AM radio. Perfect for students, executives, salesmen, who want professional recordings every time. Record up to 1 hour with easy loading snap-in cassettes. All solid-state for longer life, better performance. Record "live," built-in Electret condenser microphone, or directly from FM-AM radio. Variable sound monitor lets you listen to program while recording. Record level/battery condition meter for perfect recordings. Sonymatic automatic volume prevents too-loud or too-soft recordings. End-alarm warning lets you know when to change cassette cartridge. Positive-function keys for effortless and responsive operation. Volume controls, tape/radio switch. Built-in telescopic antenna. Recharger circuit for optional nickel-cadmium pack. Comes complete with heavy-duty protective vinyl carrying case. Battery/AC. Size, 3x9½x11".

14 B U. Shpg. wt. 7 lbs. **119.95**

119⁹⁵



5

/Superscope Recorder with FM-AM Radio

CF-200. Compact cassette monophonic recorder features FM-AM radio for "on-the-go" versatility. Records and plays to two full hours with instant loading cassette cartridge. Record direct from radio, and "live" with remote-dynamic start-stop microphone. Pause control for effortless editing and programming. Tone, volume controls. Completely remote operation. Comes complete with remote-controlled carrying microphone, case. Battery/AC. Size, 3x9½x11".

14 B U. Shpg. wt. 5 lbs. **99.95**

149⁹⁵

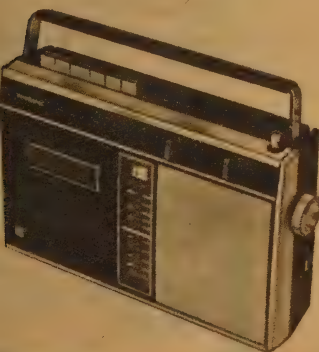
*Built-in
Electret
condenser
microphone*



Sony/Superscope Recorder/FM-AM Radio

Model CFM-8000W. Feature-packed monophonic recorder/FM-AM radio combination offers portability as well as built-in performance extras. Ideal for businessmen, salesmen, students. Record "live" with built-in Electret condenser microphone, or directly from FM-AM radio. Sonymatic automatic gain control prevents blasting. End-of-tape alarm tells you when to change tapes. Record level and battery condition meter. Push-button operation. Case, earphone, built-in ni-cad charger. 11x3½x13¼".

14 B 6063 X. Shpg. wt. 10 lbs. **149.95**



79⁹⁵

asonic Cassette Recorder/FM-AM Radio

RF-236S. Portable monophonic recorder features built-in FM-AM radio for total listening entertainment. Record "live" directly from an auxiliary source. Speaker monitoring switch lets you listen to what you are recording. Slide-touch volume controls. Highly sensitive FM-AM radio has slide rule AFC on FM. Level meter for immediate indication of recording level. With mike, stand, cassette C-30, earphone and batteries. Battery/AC. Size, 11¼x3½x11½".

14 B X. Shpg. wt. 7½ lbs. **79.95**



99⁹⁵

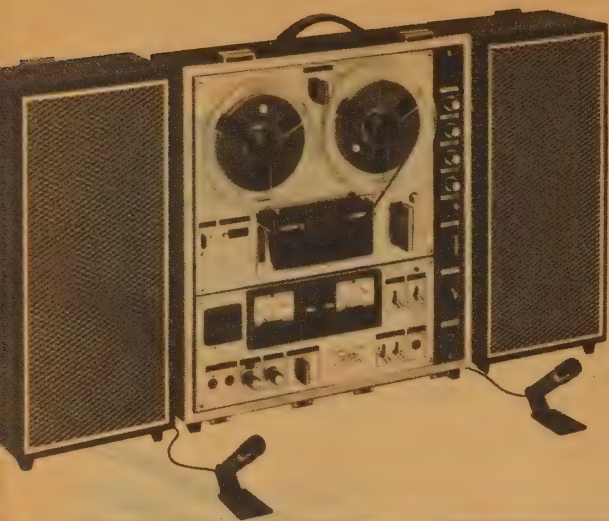
*Completely
portable
operation*

Panasonic portable Recorder/FM-AM Radio

Model RF-7270. Completely portable monophonic cassette recorder/FM-AM radio combination for on-the-spot entertainment. Records up to two full hours with easy-loading, snap-in cassette cartridges. Tape directly from FM-AM radio, or "live" with dynamic microphone supplied. Tone control for perfect bass-treble balance. AFC on FM. Vernier tuning dial for precision station selection. 6" full-tone speaker. Comes complete with microphone, earphone and batteries. Size, 11x3½x11".

14 B 6085 X. Shpg. wt. 9 lbs. **99.95**

Full-feature Sony/Superscope 3-head Stereo Tape Recorder



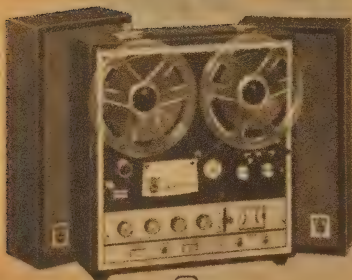
399⁵⁰

- Switching for sound-on-sound recording
- Tape and source monitoring
- Unique scrape flutter filter

Model 630. Here's everything you've wanted in a recorder and at a price you can afford. Separate record, play, and stop heads permit tape monitoring, sound-on-sound, echo, and the recording effects and techniques used by professionals. There's even a non-magnetizing record head which assures less distortion while recording... and you play-back exactly what you record. Scrape flutter filter and noise suppressor so there's minimal distortion, flutter and wow. Bass and treble controls. Digital counter and pause control.

Detachable speaker systems for lifelike stereo. 40-watt total music power amplifier. Speakers form cover when case is closed... makes this model compact and ready wherever you go. A flip of the switch turns the recorder into a public address system. Two stereo headphone jacks. 3%, 1 1/4 ips. Response, 30-22,000 Hz at 7 1/2 ips. Flutter/0.09% at 7 1/2 ips. 20x17 1/2x11 1/4". 2 mikes, 7" take-up reel. **14 B 6053 U.** Shpg. wt. 46 lbs.

Famous Roberts professional-quality Tape Recorders



A

no money
down*

199⁹⁵

Detachable Speakers for true stereo

A Model 1720. Records and plays 4-track stereo and mono at 7 1/2 and 3 3/4 ips. Head demagnetizer, pause lever, counter, level meters, automatic shut-off. Inputs: 2 mike, 2 radio/phonos. Outputs: preamp, external speakers, stereo headphone. 40-15,000 Hz at 7 1/2 ips. Wow/flutter, less than 0.25% at 7 1/2 ips. Vinyl covered case. 15 1/4x14 1/2x9 1/2". 2 mikes, 7" take-up reel. **AC.**

14 B 6054 U. Shpg. wt. 26 lbs. **199.95**

Equalization for precise recording

B Model 1730. Features accutrack tape transport (no pressure pads), 30 watts peak power, sound-with-sound, new automatically switched speed equalization, sound-on-sound, automatic shut-off. Inputs: 2 mike, 2 radio/phonos. Outputs: external speakers, stereo headphones. Response: ± 3 dB, 40-17,000 Hz. Wow/flutter: .18% at 7 1/2 ips. .25% at 3 3/4 ips. 15 1/4x15 1/4x11 1/4". **AC.**

14 B 6051 U. Shpg. wt. 28 lbs. **239.95**

Extra octave with Cross Field Head

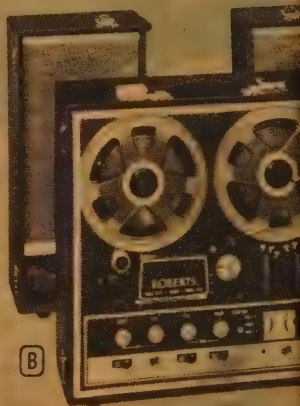
C Model 771X. Cross field head design records extra octave in high frequency spectrum. Equalization switch. Hysteresis-synchronous motor, automatic tape cleaner, muting, sound-on-sound switches. Built-in 4" speakers. 4-digit counter and dual VU meters. Automatic shutoff. Response: 30-22,000 Hz at 7 1/2 ips. Flutter/Wow: 0-15%. 20x13x9 1/2". Mikes. **AC.**

14 B 6055 U. Shpg. wt. 42 lbs. **299.95**

Automatic reverse for top versatility

D Model 800X. Cross field head. Sound-on-sound. 2 VU meters. Automatic shut-off-stop-reverse. Switched equalization. Inputs: 2 line; 2 mike. Outputs: 2 line, 2 stereo headphone, 2 speakers. Response: ± 3 dB. 30-22,000 Hz at 7 1/2; 30-18,000 Hz at 3 3/4; 30-9,000 Hz at 1 1/2 ips. Wow/Flutter: .18% at 7 1/2; .20% at 3 3/4; .25% at 1 1/2 ips. 18 1/2x13 3/4x9 1/2". **AC.**

14 B 6052 Z. Shpg. wt. 48 lbs. **399.95**



B

no money
down*

239⁹⁵



C

299⁹⁵

no money
down*



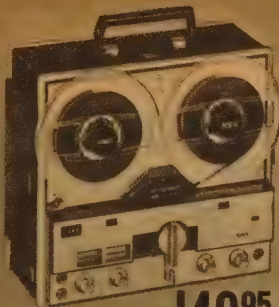
D

no money
down*

399⁹⁵

Aiwa battery/AC Stereo Tape Recorder

P-1012. Compact, versatile—re-you-go!" and loaded with features. Records and plays stereo four-track stereo or mono—home, car, beach, outings. Built-in speakers. Level meters, counter, pause control. Outputs peak. Speeds: 7½, 3½, 1½ ips. Inputs: 2 mikes, 2 radio/V. Outputs: external speaker/headphones. Response: 20-20,000 Hz at 7½ ips. 7" reel compartment for two mikes, AC adapter. With 2 mikes, 7" reel of tape, 8 "D" batteries, and AC adapter. \$149.95. U. Shpg. wt. 17 lbs. . . . 149.95

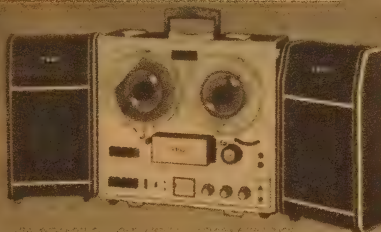


149⁹⁵

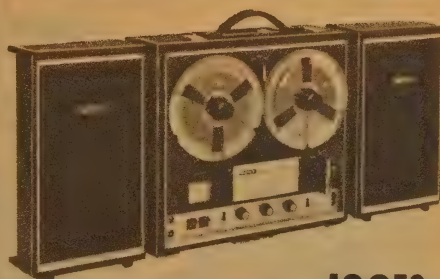
Teac 4-track Stereo Recorder

1950

1600U. Superb 4-head tape deck with built-in amplifiers and hi-fi speakers. All push button controls. Automatic reverse. ADD recording for built-in sound on stereo echo. Digital counter. Speeds: 7½ and 3½ ips. Inputs: line. Outputs: line and speakers. Response: 30-20,000 Hz at 3½ ips. Wow/Flutter: 0.12% at 7½; 0.15% at 3½ ips. 1½". AC. \$519.50. U. Shpg. wt. 48 lbs. . . . 519.50



Sony/Superscope 4-track stereo Recorder with lid-integrated speakers



199⁵⁰

Model 252. Here's a recorder packed full of superb features to give you convenience and versatility capturing and listening to life-like sound. Record live, off phono and radio. . . or play your favorite pre-recorded tapes. Two full-range lid-integrated speakers provide beautiful sound . . . the speakers actually form the cover when the case is closed.

Non-magnetizing record head enables the true fidelity of what you're recording to be picked up. Pause control and digital counter to simplify editing. Retracting pinch roller, automatic tape lifters, scrape-flutter. Sound-with-sound allows you to playback the master track (without fear of erasing) while you record another track. Speaker monitor switch. PA facility. Speeds: 7½, 3½, 1½ ips. Inputs: 2 mike, 2 aux. Outputs: 2 line, stereo headphone. 30-18,000 Hz at 7½ ips. 10½x16x15. AC. \$199.50. 14 B 6057 U. Shpg. wt. 30 lbs. . . . 199.50

Reel-to-reel/8 track and Reel-to-reel/cassette Recorders



Roberts reel/8-track cartridge Recorder

Model 1725-8L III. Records and plays 4-track reel-to-reel plus 8-track cartridges. Has dual recording level meters, lighted read-out indicator and pushbutton track selection for cartridges. Tape cleaner, two 4" speakers, index counter. Speeds: 3½, 7½ ips for reel; 3½ ips for cartridge. Response: 40-18,000 Hz at 7½ for reel. Inputs: mike, phono/radio. Outputs: line, extension speakers. Case 15x13½x9½". With mikes, blank cartridge. AC. \$299.95. 14 B 6059 U. Shpg. wt. 34 lbs. . . . 299.95



299⁹⁵

Roberts Stereo reel/8-track

Model TC-330. Integrated circuitry allows you to record simultaneously on reel and cassette or record separately. Features automatic gain for cassette, manual gain for reel, 2 level meters. Two full-range lid-intergrated speakers. Speeds: 7½, 3½, 1½ ips for reel, 1½ ips for cassette. Response: 30-18,000 Hz at 7½ for reel; 50-10,000 Hz for cassette. Inputs: mike, phono. Outputs: line, speakers, headphone. 21½x11½x3½". AC. \$339.95. 14 B 6050 U. Shpg. wt. 34 lbs. . . . 339.95

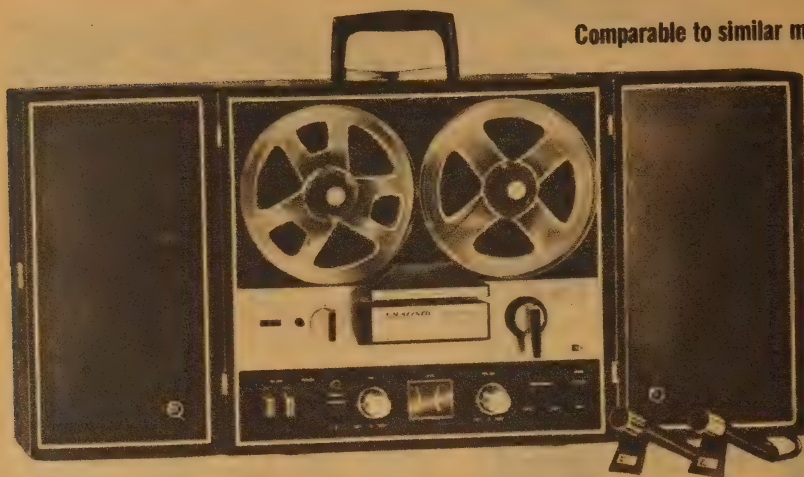


NEW! Sony/Superscope reel/Cassette Recorder

Model 331 for full Credit details . . . no money down

Realistic 3-Speed Stereo Recorder with the "Plus Features"

Comparable to similar models selling for \$200 to



- Detachable wing speakers
- 3-speeds—no capstan change
- Headphone jack
- Dual illuminated record pushbutton
- Dual level meters

169⁹⁵

Model 909. Biggest "professional feature" tape recorder bargain available! Plays and records 4-track mono or stereo horizontally or vertical without flutter or wow caused by tape slip or motor speed slow down (wow and flutter—less than 0.25%). Tapes from your stereo FM radio. You can also dub echoes, special effects or additional sounds on a pre-recorded tape for "sound-with-sound." 7 watts total amplifier power output for room-filling hi-fi sound. Signal to noise ratio is better than 50 dB.

Inputs: 2 mikes, 2 aux. Outputs: 2 speakers, 2 preamp, 1 headphone. Other features include sturdy and easy-to-die-cast speed control selector and dual level meters and digital counter for faster editing and indexing. Comes with dynamic mikes with stands, 2 patch cords, 7" take-up reel, detachable wing speakers for maximum stereo separation. Response: 50-18,000 Hz at 7½ ips. Dimensions: 24½x14x7½". **14 B 909.** Shpg. wt. 28 lbs.

Get Stereo "Realism" with Realistic's Compact 3-Speed Recorder

Comparable to similar higher-priced models

- Pause control for quick editing
- Built-in wide-range 4" speakers
- Plays 3 speeds—no capstan change



129⁹⁵

Model TR-88. Compact and inexpensive stereo recorder gives you real "high-price performance." Pause control, reset counter for quick editing and monitoring. Features dual level meters, pushbutton record safety interlocks. Built-in wide-range 4" speakers. Automatic shut-off turns recorder off at end of reel. Accepts up to 7" reels. Plays 3 speeds—1⅓, 3¼, 7½ ips—without capstan change.

Solid-state for long-life, durable performance. Real "true-to-life" stereo from 3 watts per channel amplifier, mikes, 2 aux. Outputs: 2 speakers, 2 preamp. Response: 18 Hz ±3 dB at 7½ ips. Wow and flutter: 0.15% at 7½ ips. Noise ratio: better than 55 dB. Dimensions: 18½x12½x8½". **14 B 932.** Shpg. wt. 30 lbs.

"ke-along" AC/DC portable reel-to-reel mono Recorders

Realistic easy-to-operate
reel Mono Recorder
with automatic level control

59⁹⁵

Plays and records at
1 7/8" and 3 3/4" ips

Digital tape index counter
indicates desired selection

Safety record interlock
prevents accidental erasures

Model 305. You get perfect recordings
every time since the meters and controls
are simplified, easy-to-read: from the
digital counter for easier editing to the
recording level meter. It also has most fea-
tures you'd expect to find only on more
expensive AC/DC portable recorders.

Model 306. 6" built-in speaker delivers good
sound indoors and outdoors. Pilot light
helps conserve battery life. Features re-
cord control mike, fast forward, full-
stop control, recording level meter,
earphone and aux. input jacks and
power switch. When recording from
TV or phono, speaker acts as a
mic. Response: 100-8,000 Hz at 3 3/4" ips.
or 6 "D" cells (below). AC.

Model 302. Shpg. wt. 8 lbs. \$59.95
Model 306. "D" Cells. 3 oz. Ea. 19¢



Remote control
mike makes
recording easier

Realistic low-cost, high-performance
portable reel-to-reel Tape Recorder
for "go-where-you-go" excitement



14⁹⁵

Complete with lapel mike, 3" standard
size reel and batteries

"Porti-tape" is value on-the-go for travelers, students,
businessmen, salesmen. Clean, crisp playback. For voice
recording, single control play and rewind. Solid-state for long life,
easy on maintenance, and durable performance. Op-
eration on 117 VAC adapter below.

Model 302. Shpg. wt. 4 lbs. \$14.95
Model 302. AC Adapter. Shpg. wt. 1/2 lb. \$4.95

Realistic's 2-speed
solid-state capstan drive
AC/DC portable recorder
at a RIM price!

24⁹⁵

- Capstan drive
- 3 3/4" and 1 7/8" ips speeds
- 3 3/4" reel capacity



Model 393. An on-the-job, on-the-go confidential secretary,
lecture notetaker, party-goer—all wrapped into one! Plays 3 3/4"
reels with 600' capacity at 3 3/4" and 1 7/8" ips. Single-knob control
with record safety interlock, remote control pencil-type micro-
phone. Includes earphone and batteries. Optional AC adapter
below. Dimensions: 8 1/2"x11 1/4"x3 1/2".

Model 393. Shpg. wt. 6 lbs. \$24.95
Model 393. AC Adapter. Shpg. wt. 1/2 lb. \$5.95

Let electronics take your phone calls... even dial numbers for you

Was \$119.95
in last year's
catalog



Crown automatic Telephone Valet

*Electronic answering system
gives callers your 30-second
pre-recorded message*

89⁹⁵

Model CTA-4100. This efficient telephone valet can let your friends and business associates know where you've gone, when you'll be back, or where you can be reached. A great help for people on the go. Signal induction device automatically answers your telephone, gives caller a pre-recorded 30-second message then resets, ready for the next call. Hooks up to your phone easily. No re-wiring necessary. Your pre-recorded message, on endless-loop tape, is easily changed using built-in mike. (Can also record caller's message, using any tape recorder with remote-control facilities.) Solid-state. Steel cabinet. $3\frac{3}{4} \times 8\frac{1}{2} \times 10\frac{1}{4}$ " AC.

14 B 6104 X. Shpg. wt. 7 lbs. **89.95**

Crown Telephone Answerer and Recorder

*Automatic answerer and re-
corder takes messages of people
who called while you were out*

199⁹⁵

Model CTA-4400. Automatic telephone answering system lets you leave your home or office without worrying about missing important calls. Automatically answers your phone and gives the caller your pre-recorded, up to 24-second message from an endless-loop tape. Also records caller's reply on built-in cassette recorder for playback later. This feature cassette recorder is usable separately. Plays standard pre-recorded tape cassettes or tapes live with built-in mike. System installs in minutes, no re-wiring necessary. Handsome walnut case, $3\frac{3}{4} \times 10\frac{1}{4} \times 12\frac{1}{4}$ ". With endless-loop tape, tape cassette and built-in mike. AC.

14 B 6103 X. Shpg. wt. 9 lbs. **199.95**



Crown automatic Telephone Dialer/Amplifier

119⁹⁵

*Memorizes up to 26 phone
numbers... also has built-in
telephone amplifier*

Model CAD-8. Now, just press a button and your telephone will dial automatically. Memorizes up to 26 different numbers. Also features built-in voice amplifier with switch which boosts sound to room level for others to hear. Dialing system is easy. Just dial a person's number once and it becomes magnetically recorded for future automatic dialing. Switches from auto to manual for regular dialing. Recorded numbers can be renewed whenever desired. Name panel accommodates 26 names. Selector knob selects name on panel to be dialed. Call button activates automatic dialing. Easy to install. Uses standard telephone socket. $2\frac{1}{2} \times 9\frac{1}{4} \times 14\frac{1}{4}$ " AC.

14 B 6106 X. Shpg. wt. 8 lbs. **119.95**

Crown secretarial Cassette Recorder

199⁹⁵

*Dictating and transcribing
machine includes footswitch
with start, stop, backspace*

Model CDM-10. Was \$225.00. Combines the best features of a cassette tape recorder and a professional dictating machine. Plays back dictated tape through earphone or speaker for transcribing on typewriter. Foot pedal starts and stops tape, also reverses to repeat the last 7 seconds of dictation. Accepts dictation using any standard cassette—reels and plays up to 2 hours. Excellent sound quality. Has cassette drive, tape counter. $3\frac{1}{2} \times 4\frac{3}{4}$ " speaker, pop-up cassette tape, pushbutton recording controls, record level indicator, tone control. $5\frac{1}{2} \times 11\frac{1}{4} \times 12\frac{1}{2}$ ". With remote-control steno earphone, foot pedal. AC/battery.

14 B 6105 X. Shpg. wt. 12 lbs. **199.95**

Less for Recording Tape at Allied Radio Shack

Low-priced Cassettes
for all recording needs

Low
as **109**
Each

Realistic tensilized polyester re-
cording tape comes with red and
polyester leaders for easy
identification. Polyester wafer
with anti-static lubrication for
each packed in heavy-duty
protective keeper for safe
storage. Get more for your money at
"quantity" prices!



Stock No.	Type	Playing Time	Wt., Oz.	EACH			
				1-11	12-23	24-47	48-Up
44 B 602	C-60	30 minutes each side	8	1.49	1.35	1.19	1.09
44 B 603	C-90	45 minutes each side	12	1.99	1.79	1.59	1.49
44 B 604	C-120	60 minutes each side	16	2.49	2.19	1.99	1.79

0 Cassette for tape correspondence

Expect to pay more for this high-quality tape.
Heavy-duty polyester to prevent stretching and
tearing. Perfect for "tape correspondence." Comes
in a case with mailing label. You get 15
minutes of playing time on each side. Shpg. wt. 4 oz.



Stock No.	Type	EACH			
		1-11	12-23	24-47	48-Up
601	C-30	1.09	.99	.89	.80

Low
as **80¢** Each



Free-pak Concert™ Cassettes in sizes for "tape correspondence" or taping full-length musicals

Low
as **169**
Each

Order at special "quantity"
prices for even better value

Convenient instant loading
tapes include a full range
of sizes to meet every tape record-
ing need. Use smaller tapes for
"voice letters"—tapes
in a case with special mailing
labels for longer tapes for making

concert-length recordings. All
tapes are made of heavy-duty poly-
ester to prevent stretching and
breakage while giving extra-wide
response. Order at Allied Radio
Shack's special "quantity" prices
for even greater value!

Type	Playing Time	Wt., Lbs.	EACH	
			1-11 (3 Paks)	12-Up (3 Paks)
C-30	15 minutes each side	3/4	2.09	1.69
C-60	30 minutes each side	1 1/2	2.79	2.49
C-90	45 minutes each side	2	3.99	3.59
C-120	60 minutes each side	3	4.95	4.49



New C-60 Cassette breakthrough designed for widest response, lowest noise

New-for-1971 cassette was specially de-
signed for very wide range response and very
low noise for stereo and mono tape recording.
Unique and superior oxide coating with
fine particles that are 1/4 the normal
size actually reduces recording "dead
spots." You get smooth uniform recording
with higher response and no flaking. Also
longer head life due to less oxide
on heads. Enclosed window prevents
contamination and dirt. Double transparent box for
identification. Shpg. wt. 4 oz.

Low
as **219**
Each



Type	EACH			
	1-11	12-23	24-47	48-Up
C-60	2.95	2.65	2.39	2.19



Full Credit details on page 331 . . Buy with no money down

Cassette and 8-track blank Recording Tape



Realistic® blank 8-track Tape
for home recording system

Low
as

49
Each

- Ideal choice for home and automobile tape
- Full-range response for excellent music recording
- Save money... buy in larger quantities for low

Now you can record, on 8-track cartridges, your favorite music which may be unavailable on tape. By recording your own or stereo FM, onto cartridges you can enjoy the full spectrum of musical tastes—on tape. Plays in your auto or home cartridge. Lets you select your own program material—you can even record your tapes for a specific event. Professional-quality tape contains automatic operation without rewinding or rethreading. Specially treated with a friction-reducing lubricant prevents tape from sticking to the heads, allowing the tape to move freely through recording mechanism without or sticking. Increases life of tape and reduces head wear. Provides highest possible fidelity. Uniform oxide coating provides maximum response, high signal-to-noise ratio with minimum flake-off. Shpg. wt. 3 oz.

Stock No.	Time	1-11 Ea.	12-24 Ea.	25-49 Ea.
44 B 840	40 min.	1.99	1.79	1.59
44 B 841	80 min.	2.29	2.09	1.89



Allied® full-frequency blank Tape Cassettes... super coated

for full frequency response

Low
as

89¢ Each

- Excellent response
- Uniform output level
- Superior signal-to-noise ratio
- Reduced friction
- Minimum head wear

- Made to our rigid specifications
- Deep lubrication protects recorder heads

Allied's recording tape cassettes offer quality on a par with the best recording tape plus the added convenience of "pop-in" and play. Made to our rigid specifications for your assurance of finest results. Deep lubrication serves tape life and protects precision-made tape recorder heads. Friction gives instant start at normal operating speed and smooth operation throughout recording and playback. Super-coated for superior signal-to-noise ratio. Excellent frequency response, uniform output. Moisture and heat resistant. Made of finest polyester base; strong, resilient, free from microscopic defects. Packaged in self-mailing boxes. Compatible with all tape recorder cassette system.

Type C-30 Blank Tape Cassette. Records up to 30 minutes. Wt. ¼ lb.	
44 B 5001. 1-11	Each 99¢ 12-Up
Type C-60 Blank Tape Cassette. Records up to 60 minutes. Wt. ½ lb.	
44 B 5002. 1-11	Each 1.29 12-Up
Type C-90 Blank Tape Cassette. Records up to 90 minutes. Wt. ¾ lb.	
44 B 5003. 1-11	Each 1.79 12-Up
Type C-120 Blank Tape Cassette. Records up to 120 minutes. Wt. 1 lb.	
44 B 5004. 1-11	Each 2.29 12-Up

Concertape™ Recording Tape..high quality..low cost

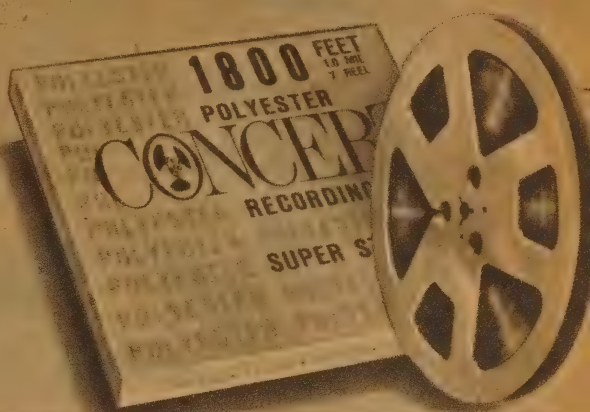
1800-ft. extra-length 1 mil polyester for general usage

139
Each

- First quality, defect-free
- Double-play, super strength
- Long-play advantages

Manufactured first-line tape free of defects to provide fine recording constant sound quality at low cost. Manufactured and controlled by one of the country's leading producers of professional recording tapes to ensure absence of excessive dropouts or other defects commonly expected in inexpensive tapes. High strength polyester base remains unaffected by humidity. Ideal for long-term use and storage. Excellent for transcribing precious disc recordings to durable tape. 1.0 mil thickness provides 50% more recording than standard tapes. 1800 feet on 7" reel. Buy in quantity to save even more. Shpg. wt. 1/4 lb.

Stock No.	EACH			
	1-2	3-9	10-49	50-Up
1018	1.95	1.79	1.50	1.39



Heavy-duty 1.5 mil tape for prolonged use, studio applications

- Better sound at lowest cost
- Double the strength of acetate
- Splice-free, quality tested

Manufactured and carefully tested to provide fine sound reproduction at lowest cost. Delivers a high-integrity signal without dropout or excessive hiss. Produced by a leading manufacturer of high-quality tape and bought by us in massive quantities so we can help you save money. Base material of 1.5 mil DuPont Mylar polyester offers double the strength of acetate tape, full 5% elongation resiliency and is unaffected by humidity. Continuous length tape is splice-free, not taped together production left-over or over-run. After tape undergoes no apparent aging—perfect for long-term storage of disc and off-the-air transcriptions, recorded conversations and speech, all your most valuable precious recordings. Oxide coating provides uniform thickness and is highly impressionable to magnetic signal form. Free of imperfections such as oxide flaking, edge shedding or uneven dispersion of oxide which can degrade or destroy the quality sound desired in all recordings. Shpg. wt. 1/4 lb.

No.	Length	Reel	1-2 Ea.	3-9 Ea.	10-49 Ea.	50-Up Ea.
1055	1200'	7"	1.29	1.15	1.05	.89
1085	600'	5"	.89	.85	.79	.69



Low as
5" reel **69¢** Each

Triple-play tensilized 0.5 mil tape has long-wear capability

An outstanding offer on long-play 1/2 mil polyester tape. Increase playing time of your recorder 300% on a standard reel. One third the cost of regular size 1 1/2 mil tape allows three times as much tape to be loaded on a reel. Perfect for extended conferences, off-the-air taping, ground music, transcriptions from disc. Pre-stressed, tensilized for dimensionally free dimensional stability and higher resistance to breakage. Designed to reduce head wear...prolongs life of tape and eliminates squeals as tape passes recording/playback mechanism. Polyester base provides stability to environment for long storage. Full range of lengths for any recording application lets you choose the length you need. Letter-size 3-inch reels can record up to 3600 minutes so you can save more. Shpg. wt. 1 lb.

Stock No.	Length	Reel	1-2 Ea.	3-9 Ea.	10-49 Ea.	50-Up Ea.
1086	300'	2 3/8"	.69	.64	.59	.49
1073	300'	3"	.69	.64	.59	.49
1087	600'	3 1/4"	.99	.94	.84	.74
1059	1200'	5"	1.99	1.79	1.59	1.29
1060	2400'	7"	2.99	2.69	2.39	1.99
1061	3600'	7"	4.99	4.49	3.99	3.49

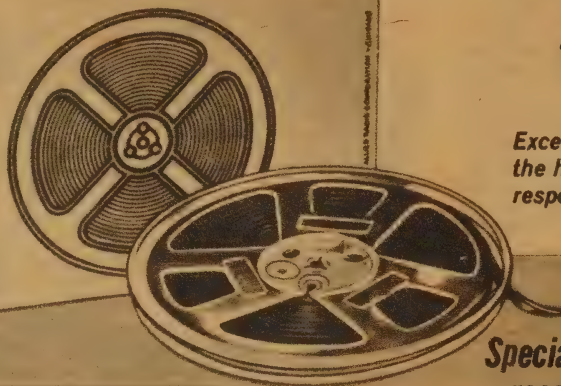
Low as **349** Each 3600' reel



Order on Allied Radio Shack for all your recording needs

ALLIED 260 RECORDING TAPE

HIGH FIDELITY POLYESTER BASE
1 MIL - 50% MORE PLAYING TIME



Allied® 260 Recording Tape
... guaranteed high quality
for full-fidelity sound
from any good recorder

*Excellent all-purpose recording tape with
the high-sensitivity needed for wide frequency
response without noise or distortion*

*Specially processed for outstanding
recording and listening pleasure*

MADE WITH THESE IMPORTANT EXTRAS

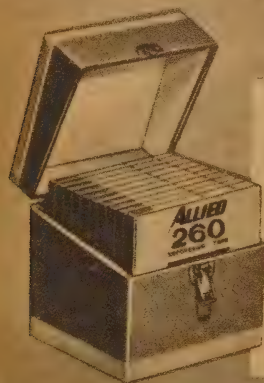
- Extra tensile strength to avoid tape breakage or damage
- Deep lubrication to prevent oxide build-up, give longer life
- Resistant to moisture and temperature extremes
- High sensitivity, low noise level, and full frequency response
- Each reel splice-free for uniform quality

Designed to provide consistently fine sound quality, Allied's 260 tape lets you with confidence at low cost. Manufactured to meet Allied's specifications, 260 is free of such microscopic irregularities like skew, edge burrs, shedding and clogging. Excellent for transcribing from pre-recorded tapes, record albums, taping off stereo broadcasts, and many other general-purpose applications.

Continuous length, splice-free tape has exceptional strength and resistance to all temperature and humidity conditions. A special, deep lubrication is added to assure long tape life and to prevent oxide build-up on recorder heads. Permits the in-recorder head contact essential to full-range fidelity without excessive head wear. Fine oxide coating assures superb recording fidelity and high signal-to-noise ratio.

The Allied 260 tape meets the highest standards of recording quality demanded by high-fidelity perfectionists. Offers full frequency response, low noise level, high sensitivity and uniform output. For the serious, quality-conscious recordist—no other general-purpose recording tape offers so many features at such low cost. Whatever your needs, Allied provides the greatest selection of the finest recording tape at minimum expense.

Stock No.	Reel Size (Inches)	Length (Feet)	Mil	Base	Wt., Lbs.	EACH	
						1-11	12-24
44 B 5008	3 1/4	600	0.5	Polyester	1/2	1.19	1.04
44 B 5009	5	900	1.0	Polyester	3/4	1.79	1.49
44 B 5010	7	1200	1.5	Acetate	1	2.19	1.89
44 B 5011	7	1800	1.0	Polyester	1 1/4	2.49	2.20
44 B 5012	7	2400	0.5	Tenitized Polyester	1	3.99	3.49
44 B 5013	7	3600	0.5	Tenitized Polyester	1	5.99	5.30



SAVE \$5.95 ON ALLIED'S SPECIAL TAPE CASE OFFER

Stock up on tape now and save!

Buy 10 reels
of Tape,
get Case for

only **\$1** more

Special Allied offer! Deluxe 10-reel carrying case worth \$6.95 for just \$1.00 when you purchase 10 reels of Allied 260 recording tape described above. Sturdy wooden hinged-top case is covered and lined in blue and white leatherette. Has strong plastic handle fastened to top of lid, and secure metal latch for complete portability. Stock up on full-fidelity tapes now, store and protect them in this useful carrying case.

- 34 B 5201 X. Ten 1200-ft. with Case. Wt. 13 lbs.
- 34 B 5202 X. Ten 1800-ft. with Case. Wt. 15 1/2 lbs.
- 34 B 5203 X. Ten 2400-ft. with Case. Wt. 13 lbs.
- 34 B 5204 X. Ten 3600-ft. with Case. Wt. 15 lbs.
- 44 B 0075. Case Alone. tape case, 8x8x8", 3 lbs.

Allied 265 Ultra Range Full-spectrum professional Recording Tape for full high-fidelity sound

Recommended for audio perfectionists... made
to meet the highest specifications to give
you the best audio-quality tape at economical prices

Special micro-polishing process and
homogenized lubrication reduce wear
The binder system assures full fidelity
and prevents oxide peeling or flaking
Precision wound on computer-type 7-inch reel

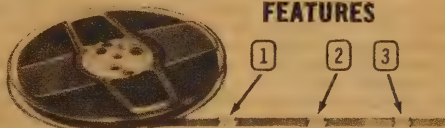
Available, versatile tape that's priced for extra value. Allied
Ultra Range recording tape gives you features and quality that
meet the requirements of the most critical recording connois-
sors. Specially developed micro-polishing process cuts tape
to a minimum; helps reduce wear on your tape recorder
Built-in homogenized lubrication helps reduce the pos-
sibility of oxide peeling or flaking. Wound on heavy-duty, "heat-
treated" computer-type reel. Each reel comes with a book of
silicone-impregnated rayon tape-cleaning pads that help to ex-
tend the life of the tape and head life.

Leaders are attached to each end of the tape; red at
one end, green at the other. Ultra-thin bonded sensing foils at
each end of the reel actuate recorders equipped with auto-
reverse mechanism. A length of head-cleaning tape is
spliced into one end of every reel of tape to help remove ac-
cumulated material from recorder heads. Has the latest binder
1 1/2-mil acetate tape is recommended for taping parties,
lectures and dictation; 1-mil polyester is ideal for taping
concerts or for recording either live or from a tuner; 1/2-mil
polyester tape is convenient for making extra-long recordings
on computer-type reel. Every reel guaranteed splice-free.

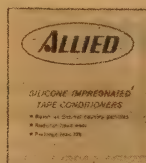
Length (Feet)	Base	Wt., Lbs.	EACH			
			1-11	12-24	25-Up	
5	1275	1½-mil Acetate	1	2.49	2.25	1.99
6	1875	1-mil Polyester	1	3.79	3.40	3.25
7	2475	½-mil Polyester	1½	5.49	4.90	4.39



LOOK AT THESE IMPORTANT FEATURES



1. Head-cleaning tape spliced to end of reel
2. Sensing foil at each end of tape actuates recorder with reverse mechanism
3. Color-coded leader at each end of tape



Book of silicone
tape cleaning pads
with each reel



Heavy-duty computer-
type reel is heat treated
to prevent warping

SAVE \$5.95 ON SPECIAL TAPE CASE BONUS OFFER

Our best tape plus Carrying Case!

Savings on 10-reel carry-
ing case. Buy 10 reels of deluxe
recording tape (above). You
save by buying at low
plus a sturdy wooden tape
case (listed separately at
store, protect and trans-
port, for only \$1 more. Gives
you 24,750 feet of tape on
developed warp-resistant
tape to use whenever you
need it. Ten reels give up to 80
hours of recording time.

34 B 5205 X. Ten 1275-ft. Reels
with Case. Wt. 12 1/2 lbs. \$25.90
34 B 5206 X. Ten 1875-ft. Reels
with Case. Wt. 15 lbs. \$38.90
34 B 5207 X. Ten 2475-ft. Reels
with Case. Wt. 17 1/2 lbs. \$55.90
44 B 6075. Carrying Case Alone.
Handsome blue and white leather-
ette over sturdy wood. Plastic
carry handle; inside covered and
lined. Size, 8x8x8". Shpg. wt. 3
lbs. \$6.95

Buy 10 reels
of Tape,
get Case for

only \$1 more





Save 12% to 40% on Realistic top quality Tensilized-Mylar and Mylar Recording Tapes



- Uniform
- Long last
- Superior
- Splice fre
- No "drop

Professional quality tape with extra-durable all-Mylar base—so your recordings will last for years. Made to Realistic's rigid specifications by one of America's foremost tape manufacturers.

Spend more if you
but you can't find
better tape bu

Superb tape, designed to provide consistently fine sound quality. Your recordings will retain true-to-life fidelity of the original performance for years! Because Radio Shack deals directly with the manufacturer, we save and are able to pass these enormous savings on to you. Explanation of tape base and thickness: Mylar Base: extra strength DuPont "Mylar" film base usually used to protect thin 1.0 and 0.5 mil tapes from breaking under tension. Also gives you greater record/play time. Tensilized Mylar Base: as above, except pre-stretched for uniformity after repeated playings. For professional recordings if thin 1.0 and 0.5 mil tapes are used. Shpg. wt.: 7" reel, 1 1/4 lbs.; 5" reel, 3/4 lb.; 3 1/4" and 3" reel, 1/4 lb.

Stock No.	Reel Size	Feet	Mil	Base	EAC	
					1-5	6-9
44 B 734	3"	225	1.0	Mylar	.59	.49
44 B 760	3 1/4"	600	0.5	Tens. Mylar	1.49	1.35
44 B 735	5"	600	1.5	Mylar	1.19	1.09
44 B 753	5"	900	1.0	Mylar	1.79	1.69
44 B 736	7"	1200	1.5	Mylar	1.79	1.69
44 B 754	7"	1800	1.0	Mylar	2.69	2.49
44 B 758	7"	2400	0.5	Tens. Mylar	3.99	3.69
44 B 766	7"	3600	0.5	Tens. Mylar	6.99	6.35

Realistic Supertape

A buy that just can't be beat . . . reduces print-thru, hiss, headwear . . . finest reproduction at a low cost



"I find Realistic Supertape eminently suitable for the critical recording . . . its . . . wide dynamic range is obtained not gained at the expense of transparency of sound reproductions!"

LESTER LANIN—NOTED ORCHESTRA LEADER

Standard Supertape on 1 1/2 mil Acetate

For general recording. Provides flawless sound reproduction at low cost.

Stock No.	Size	Feet	Mil	Base	EAC	
					1-9	
44 B 1870	5"	600	1.5	Acetate	1.69	
44 B 1871	7"	1200	1.5	Acetate	2.59	

50% more recording time on 1 mil Mylar

Stable Mylar, super-durable base assures trouble-free operation even in extreme heat or humidity.

44 B 1872	5"	900	1.0	Mylar	2.49	
44 B 1873	7"	1800	1.0	Mylar	4.29	

100% more time on 1/2 mil Tempered Mylar

Plays twice as long . . . is twice as strong as other double types. Won't stretch or break, get dry or brittle with age. Strong and specially treated for best stretch resistance for general recording purposes.

44 B 1874	5"	1200	0.5	Tens. Mylar	3.79	
44 B 1875	7"	2400	0.5	Tens. Mylar	6.49	

Low noise and hiss-reducing Supertape for "p

Provides the high signal-to-noise ratio and drastically reduced hiss level required for professional recording without sacrifice of other properties needed for top quality reproduction. The best tape buys around.

44 B 1876	7"	1200	1.5	Acetate	2.99	
44 B 1877	7"	1800	1.0	Mylar	4.99	

BASF Recording Tape for full-range fidelity



- Luvitherm or Polyester
- Prestressed
- High Response
- Not affected by humidity
- No rub-off
- No print-thru
- Colored leaders
- Auto-stop foil

In attractive Plastic Storage Container

Has swivel-type Inner Box and convenient Index



BASF low-noise/high output Tape for outstanding quality magnetic recording

designed for ultra-low noise with increase in output resulting in improved signal-to-noise ratio as much over standard recording tapes. Economical, too... record at 3 1/2 ips and get the same full dynamic as made at 7 1/2 ips made with other tapes.

1-mil Low Noise Tape (Long Play)

	Feet	Reel	Shpg. Wt.	EACH	
				1-10	11-Up
63	900	5"	10 oz.	2.79	2.49
64	1800	7"	16 oz.	4.89	4.39

3/4-mil Low Noise Tape (Double Play)

	Feet	Reel	Shpg. Wt.	EACH	
				1-10	11-Up
50	1200	5"	10 oz.	3.99	3.59
51	2400	7"	18 oz.	6.59	5.89

1/2-mil Low Noise Tape (Triple Play)

	Feet	Reel	Shpg. Wt.	EACH	
				1-10	11-Up
52	1800	5"	10 oz.	6.29	5.59
53	3600	7"	19 oz.	9.93	8.39

Extra-strength Recording Tape

an unplasticized polyvinyl chloride film or polyester prestressed for exceptional strength and dimensional stability. Luvitherm types are unaffected by humidity and wear change, and are extremely supple for superior sound compliance. Mirror finish—no drop-out, no print-through. Packaged in plastic library container.

1/2-mil Luvitherm Tape (Standard Play)

	Feet	Reel	Shpg. Wt.	EACH	
				1-10	11-Up
54	600	5"	10 oz.	1.79	1.59
55	1200	7"	1 lb.	2.69	2.39

1-mil Luvitherm Tape (Long Play)

	Feet	Reel	Shpg. Wt.	EACH	
				1-10	11-Up
56	900	5"	9 oz.	2.39	2.09
57	1800	7"	18 oz.	3.89	3.49

3/4-mil Luvitherm Tape (Double Play)

	Feet	Reel	Shpg. Wt.	EACH	
				1-10	11-Up
58	300	3"	3 oz.	1.29	1.19
59	1200	5"	10 oz.	3.49	3.09
60	2400	7"	18 oz.	5.59	4.99

Blank Tape Cassettes in mailer box for convenient correspondence

Highly efficient, non-jamming cassette design and BASF new low-noise tape. Superior frequency response, excellent signal-to-noise ratio. Gives you trouble-free reliability and outstanding recording results. Packaged in attractive plastic library mailer for easy handling.



Low as \$1.59

Stock No.	Type No.	Time	Wt., Oz.	EACH	
				1-12	13-Up
44 B 6070	C-30	30 minutes	4	1.79	1.59
44 B 6067	C-60	60 minutes	4	2.21	1.85
44 B 6068	C-90	90 minutes	4	3.64	3.05
44 B 6069	C-120	120 minutes	5	4.48	3.75

8-track blank Recording Tape Cartridges

Top quality blank tape cartridges for 8-track cartridge recorders. Provides the highest degree of fidelity and frequency response for full range sound at lowest cost. Deeply lubricated to preserve tape life. 3 oz.



Low as \$1.49

Stock No.	Playing Time	EACH	
		1-10	11-Up
44 B 6071	32 minutes	1.79	1.49
44 B 6072	64 minutes	2.29	1.89
44 B 6073	84 minutes	2.79	2.29

Empty 7" Plastic Library Boxes

Pkg. of 10

13.60

Handsome, rugged plastic library storage container perfect for storing your 7" reel tape collection. Swivel-type box, suitable for mailing. Packages of 10 only.

44 B-6065. Standard Package of 10. Shpg. wt. 2 lbs.13.60



BASF Professional Tape Recordist Starter Kit

Everything you need for perfect tape recordings every time. You get: 4 assorted reels (1200, 1800, 2400 and 3600 ft.) of BASF tape; professional type tape reel; hobby box (listed below); 80-page recording manual; question and answer booklet on tape recording; BASF newsletter. 2 lbs.

44 B 6066.24.95

Perfect for starters, pros, hobbyists, etc.

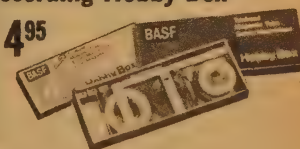


24.95

BASF Tape Recording Hobby Box

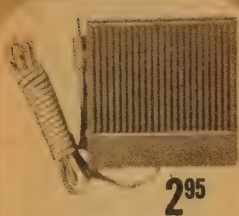
Lets you splice, edit, mark tape, etc. Has splicer, splicing tape, marking pencil, leader tape, switching foil, much more. 1 lb.

44 B 6074.4.95



4.95

Make better tape recordings and keep your record



Remote Foot Switch. Connects to any recorder with remote control jack.
44 B 610. Wt. 1 1/2 lbs. .295



Self-Stick Pressure Pads. Two 1/4x3/4" thick pads. You cut to fit.
44 B 1027. Wt. 3 oz. .59¢



Color-Coded Leader Tape. Two 150-ft. 1 1/2-mil 3-in. reels—1 red, 1 white.
44 B 1053. Wt. 1 lb. .99¢



Head Cleaner. 3-in. reel cleaner-impregnated tape. With cleaning fluid.
44 B 1151. Wt. 1/2 lb. .59



Tape Splicing Block. Edit or repair tape in seconds. All aluminum.
44 B 1020. Wt. 1 lb. .199



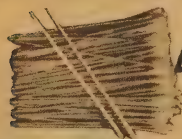
Home/Auto Head Demagnetizer. For reel-to-reel recorders, cartridge players. AC.
44 B 1154. Wt. 2 lbs. .795



3-Way Bulk Tape Eraser. Erases any tape in seconds. 5 1/2x2 1/2x2 1/2". U.L. listed.
44 B 745. Wt. 10 lbs. .995



Precision Tape Splice. trims tape, holds it secure. With 3/4-in. splicing tape.
44 B 770. Wt. 1 lb. .295



Pack of 100 Cleaning Sticks. 6 in. long. For recorders, all electronic equipment.
44 B 1093. Wt. 2 oz. .49¢



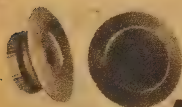
Head Cleaner. 2-oz. size. Felt applicator. For heads, guides, all metal parts.
44 B 1010. Wt. 2 oz. .79¢



Recorder and Changer Oil. Prevents rust and corrosion, lubricates.
44 B 1012. Wt. 2 oz. .49¢



"Non-Slip"—for Recorders and Changers. Stops idler wheel, cord slipping.
44 B 1013. Wt. 2 oz. .69



Two Tape-Reel Holders. Prevents reel wobbling—fit over spindles.
44 B 1068. 4oz. .49¢ Pr. 49¢



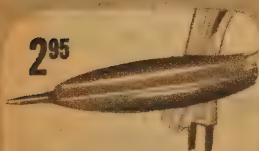
Tape End Clips. Secure loose tape ends on any size reel. Sturdy plastic.
44 B 1028. 4 oz. .39¢



Color-Coded Tape Cuing Labels. Pressure-sensitive, numbered tabs. Labels.
44 B 1159. 1/4 lb. .30/1.29



Tape Labels. Self-stick identify your tapes at a glance. Size, 1/4x2".
44 B 1029. .35¢ Pkg. of



Realistic Tape Head Demagnetizer. Improve S/N, restores highs, etc. AC.
44 B 772. Wt. 1 lb. .295



Splicing Tape for always perfect s

Quality-controlled tape insures perfect that hold securely. Makes editing and tape a breeze. Non-run adhesive on one side. easily and quickly. 100" long.

Stock No.	Width	Oz.
44 B 1125	1/4"	4
44 B 1126	3/4"	4
44 B 1127	1/2"	4

e new with these handy Recording Accessories

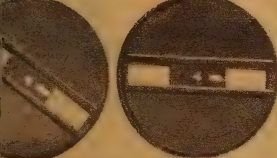
79 Sensing Tape

or reverse any tape recorder have electronic switching controls. You touch the tape, you never touch recorder—yet the tape reverses automatically when you use sensing. It works with your old tapes and new tapes. You make the best of your tape recorder. 100-ft. roll. 155. Shpg. wt. 1 oz.1.79

8-track Head Cleaner

49 into player as you would a tape, operate 10 seconds. 161. Shpg. wt. ½ lb.1.49

Autothread Tape Reel



5" Reel only 79¢

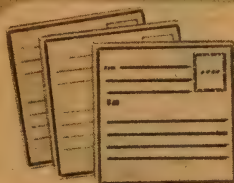
7" Reel only 99¢

time—save wear and tear on your reels! Quit threading tape on reels the old way. Do it the modern way—do it automatically with an Autothread Tape Reel—it threads itself. Just drop in reel and forget it.

135. 5" Reel. Wt. 6 oz.79¢
137. 7" Reel. Wt. 6 oz.99¢

Tape Storage Cans

04. 5" reels. Each 59¢
6-9... Each 49¢
10-14... Each 43¢
15-20... Each 35¢
21-25... Each 29¢
26-30... Each 23¢
31-35... Each 17¢
36-40... Each 11¢
41-45... Each 5¢



69¢

Tape Mailers. Prevent damage in sending your tapes through the mail. Conforms to postal regulations. Ideal for corresponding by tape. Allows mailing of 12 reels up to 3½" dia. 44 B 1057. Shpg. wt. 6 oz.12/69¢

49



Nonabrasive Cassette Head Cleaner. Operate in player for 20 seconds. 44 B 1160. Shpg. wt. ¼ lb.1.49

89¢

Record/Tape Cleaning Cloths. They clean, remove static, and prolong record and tape life by depositing ultrathin silicon film on surface.

44 B 1088. Shpg. wt. 4 oz.4/89¢



99¢

Telephone Pickup Coil. Lets you record all phone calls. Mounts easily and quickly on telephone handset by means of suction cup. Gives clear recordings on tape or disc recorders.

44 B 533. Shpg. wt. ½ lb.99¢



3.95

Auto Tape Head Demagnetizer. For cassettes and 8-track auto players.

44 B 776. Shpg. wt. 2 lbs.3.95



Low as 29¢

Cassette Mailers. Sturdy plastic boxes ideal for storing cassettes or as containers for mailing them. Come complete with labels. Buy in quantity. 4 oz. 44 B 608. 1-11. Ea. 39¢ 12-up. Ea. 29¢

5" and 7" Tape Cases and Rack

5" only 1.69 Pkg. of 3

7" only 1.98 Pkg. of 3

Take care of your tapes, make them last longer and perform better. Dust is their enemy—rough handling can mean their end. Store them in a dust-free case where they will be fully protected.

44 B 1153. 5". Shpg. wt. 2 lbs.Pkg. of 3 for 1.69

44 B 1152. 7". Shpg. wt. 2 lbs.Pkg. of 3 for 1.98

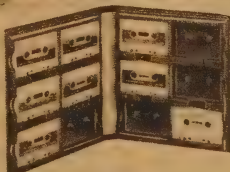


Low 25 9¢



Empty Tape Reels with Boxes. Sturdy reels at low, low prices.

Catalog No.	Reel	1-5 Ea.	6-9 Ea.	10-49 Ea.	50-Up Ea.
44 B 272	2½"	.16	.14	.11	.09
44 B 273	3"	.17	.15	.12	.10
44 B 1000	3½"	.23	.20	.17	.13
44 B 278	5"	.30	.35	.31	.27
44 B 279	7"	.44	.40	.36	.30



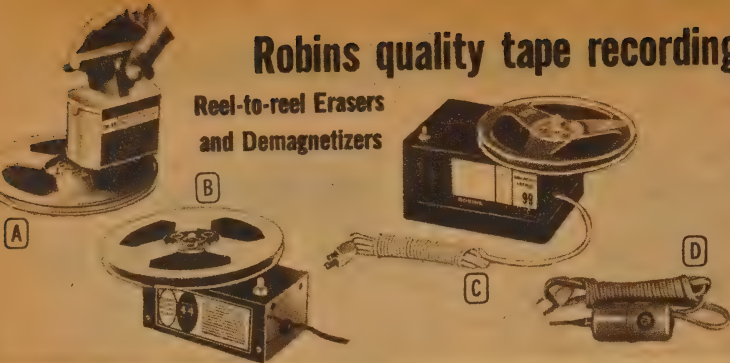
1.98

Cassette Album. Stores up to 12 cassettes. Protects them from dust and damage for longer life.

44 B 612. Shpg. wt. 2 lbs.1.98

Robins quality tape recording Accessories

Reel-to-reel Erasers and Demagnetizers



A TM-88 Hand-Held Bulk Tape Eraser.

Operates below normal recorder erase head level—erases tape completely in only seconds. Just move the eraser unit closely over each side of the tape. For $\frac{1}{4}$ " tape on any size reel. $4 \times 2 \frac{1}{2} \times 4 \frac{1}{4}$ ". AC.

44 B 6001. Shpg. wt. 4 lbs.11.50

B TM-44 Bulk Tape Eraser.

Thoroughly erases tapes in seconds to below normal recorder erase head level. For erasing $\frac{1}{4}$ " tape on reels to 7". Size: $5 \frac{1}{2} \times 2 \frac{1}{2} \times 3 \frac{1}{4}$ ". AC.

44 B 6002. Shpg. wt. 4 lbs.11.99

C TM-99 Professional-Quality Bulk Tape Eraser.

For erasing tape $\frac{1}{2}$ " wide, reels to 10 $\frac{1}{2}$ ". Erases 3-6 dB below equipment erase head level in just seconds. Erases sound from magnetic-striped 8 and 16mm film. $5 \frac{1}{2} \times 6 \frac{3}{4} \times 2 \frac{3}{4}$ ". U.L. Listed. AC.

44 B 6003. Shpg. wt. 8 $\frac{1}{2}$ lbs.31.47

D TD-6 Professional Demagnetizer.

Use for periodic demagnetizing to remove built-up magnetism from tape heads and maintain high level of recording performance. Size: $4 \frac{3}{8} \times 1 \frac{1}{4}$ " dia. U.L. Listed. AC.

44 B 6004. Shpg. wt. 1 lb.7.65

Cassette and Cartridge Erasers and Demagnetizers



E TMC-1 Cassette Eraser.

Erase tape faster and better. For AC.

44 B 6005. Shpg. wt. 3 lbs.

F TD-12 Home Cartridge Demagnetizer.

Plugs into cartridge player to demagnetize tape head. For AC.

44 B 6006. Shpg. wt. 14 oz.

G TD-10 Cassette Head Demagnetizer.

Use like standard cassette. Convenient, built-in pilot light. AC.

44 B 6007. Shpg. wt. 8 oz.

Recorder Accessories for splicing, editing and maintenance



H TK-8DLX Deluxe Tape Accessory Kit.

Contains all essentials for home recording applications. Outfit includes: TS-8D stereo splicer that cuts diagonally, trims sides of splices—splicer's "see-thru" windows show operating positions; roll of $\frac{1}{2}$ " splicing tape; tape threader; head cleaner and lubricant; tape cleaning cloth; tape clips; title labels for reels; reel holders; illustrated splicing book.

44 B 6008. Shpg. wt. 1 $\frac{1}{2}$ lbs.12.98



J TK-14 Recorder Maintenance Kit.

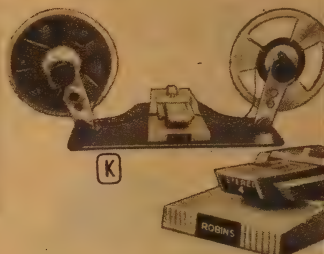
Contains basic equipment for the hobbyist. Head demagnetizer, 2 tape cleaning cloths; 3" reel of tape cleaner.

44 B 6009. Shpg. wt. 12 oz.4.49

K TK-9 Tape Editing Workshop.

Winders for reels to 7". Stereo splicer has calibrated timing/editing scale. Splicing tape, editing pencil, guide book. $7 \times 14 \times 5 \frac{1}{2}$ ".

44 B 6010. Shpg. wt. 2 lbs.15.75



L TS-8D Deluxe Stereo Tape Splicer.

Simple to operate kit that produces professional results. Cuts diagonal splicing is easier and faster. Trim windows of splices to assure tape uniform more guessing and mistakes... "see-thru" windows that show operating positions. Replaceable cutter, blackening adjustment. Has integral tape dispenser with 100' of $\frac{1}{2}$ " splicing tape.

44 B 6011. Shpg. wt. 1 lb.

Repair and Maintenance Devices, Automatic Shutoff



M TW-1 Precision Tape Strobe.

Essential for better recordings. Highly accurate tape strobe has precision-machined needle bearings. Accurately tests taping speed of $7 \frac{1}{2}$ and $3 \frac{3}{4}$ ips recorders for reduction of wow and flutter. All-metal construction, chromium-plated. With complete instructions.

44 B 6012. Shpg. wt. 1 lb.7.35

N TSO-1 Automatic Tape Shut-Off Unit.

Attaches to side of recorder. Recorder plugs into unit. Shut-off arm gently contacts tape. When tape end plays, unit automatically shuts off recorder. 3-amp. rated. AC.

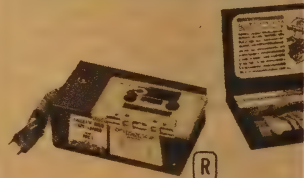
44 B 6013. Shpg. wt. 1 lb.5.25

P TVU-1 Professional VU Meter.

Prevents overload or recording at too low level. Two color scale. Modulation: 0-100%. VU: -20 to +3 dB. 2700 ohms. Use high or low impedance circuit. $2 \times 1 \frac{1}{8}$ " with $\frac{1}{4}$ " term.

44 B 6014. Shpg. wt. 6 oz.4.20

Cassette Case and Splicing



R TCM-1 Cassette Maintenance Kit.

Holds 10 cassettes. Head demagnetizer, three-way head cleaner, test, 240 color-coded index spots.

44 B 6015. Shpg. wt. 1 $\frac{1}{4}$ lbs.

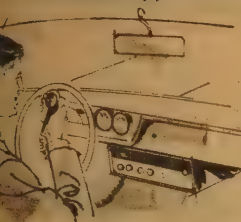
S TS-215 Cassette Tape Splicing Kit.

Edits and repairs .150" tapes in sound effects and passages. Cuts at 90° angle. Kit includes plastic cutting blade, and 25 splicing tape.

44 B 6016. Shpg. wt. 5 oz.

Keep in touch . . with Citizens Band 2-way Radio

Any U.S. citizen, 18 years or older, can use the Citizens Band
 . . license application enclosed with each unit—no test required



You can have two-way radio voice communications, for business or personal use, from your home to your car or boat, from your office to vehicles on the road, between vehicles, or between your office and warehouse. CB is useful anywhere . . it's the fast, easy, convenient way to keep in touch.



CHOOSE FROM OUR
 OWN ALLIED® AND
 REALISTIC® LINES
 FOR EXTRA VALUE

USE OUR CREDIT
 FUND PLAN TO OUTFIT
 YOUR CB STATION . . SEE
 PAGE 331 FOR DETAILS



NEW! Allied® Mobile CB Radio combines solid-state circuit with all 23 channels . . unexpected at such a low price!

109⁹⁵

no money down
 see page 331

Model A-2561. You could pay a lot more and still not get the features of this all-new CB radio offers you! Boasts crystal-controlled transmit and receive on 23 channels, plus every benefit of solid-state circuit design. You get on the air immediately, on all CB channels. No special radio knowledge is needed. Has a full-power transmitter with 5 watts input, 5 watts RF output, and a sensitive superhet receiver for good reception.

Field-effect transistor (FET) in RF amplifier and a series-gate noise filter mean added sensitivity, without added noise. Dual-conversion and ceramic filter in the receiver add to its ability to tune in stations without interference. Push-pull audio amplification assures distortion-free 100% modulation of the transmitter for greater talk-power and transmitting range, also provides a 2.5-watt public-address facility. Automatic gain control (AGC) prevents overload and blasting in strong-signal areas and builds up weak station signals for best reception.

Also has S/R/F meter, transmit light, illuminated channel-selector, built-in 3" speaker, jack for an optional PA speaker. Vinyl-clad case, 3 1/4" x 8 1/4". With push-to-talk mike, car bracket.

Model A-2561 U. Shpg. wt. 8 lbs. 109.95

SPECIFICATIONS

RECEIVER. Sensitivity: Better than 1 μ V for 10 dB S+N/N. Selectivity: 3 kHz at -6 dB. Adjacent Channel Rejection: Better than 40 dB. IF Rejection: Better than 60 dB. Audio Output: 2.5 watts. **TRANSMITTER.** Output Power: 3.5 watts. Modulation Capability: 100%. **GENERAL.** Antenna Impedance: 50 ohms. Semiconductors: 19 transistors, 12 diodes, thermistor, field-effect transistor. Power: 12 VDC negative ground.



Field-Effect Transistor
 for high sensitivity
 without distortion



Built-in 2.5-watt PA
 system—requires
 only external speaker



Automatic noise
 limiter to reduce
 ignition interference



No crystals to buy—
 uses a highly stable
 frequency synthesizer



Dual-function meter
 measures signal strength
 and relative RF output

NEW! Allied solid-state mobile 2-way Radio with 11 channels!



This all-new solid-state model gets you on the air at a really low price with no sacrifice in audio quality

79⁹⁵ no money down*

Model A-2559. Budget-priced but built with the extras you need for good 2-way voice communications on up to 11 channels. It's compact and ready for under-dash mounting in your car. As easy to use as a telephone, too. No special radio knowledge is needed for operation. Solid-state circuit develops a full 5-watt transmitter input, the maximum power allowed by federal regulations. Superhet receiver has the sophisticated circuit necessary to pull in messages clearly, even in metropolitan areas with lots of CB "traffic."

A series-gate automatic noise limiter cuts impulse-type interference to give you high-intelligibility reception of even the weak stations. A ceramic filter adds to the ability of this receiver to tune in stations without interference from adjacent channels. Built-in 2.5-watt public-address facility requires only an external speaker. Takes 50-ohm antenna.

Has built-in 3" speaker. S/RF power-output meter, illuminated channel selector, jack for PA speaker, PA/CB switch, SO-239 antenna connector. Size, 2 1/4 x 8 1/2 x 8 1/2". Comes complete with Channel 9 crystals. Extra crystals available below.

21 B 5559 U. Shpg. wt. 7 lbs. **79.95**
21 B 1200 CF. Transmit Crystal. Specify Channel 1-23. Shpg. wt. 3 oz. Each **2.49**
21 B 1200 CF. Receive Crystal. Specify Channel 1-23. Shpg. wt. 3 oz. Each **2.49**

SPECIFICATIONS

RECEIVER. Sensitivity: 0.75 μ V or better for 10 dB SN/N. Selectivity: 5 kHz at -6 dB. Adjacent Channel Rejection: 40 dB. IF Rejection: 60 dB. Audio Output: 2.5 watts. **TRANSMITTER:** RF Power: 5 watts. Power: 12 VDC neg. gnd.

Not a stripped down model, but built with the extras needed for fine performance



Field-effect transistor for low noise and maximum sensitivity



Ceramic filter and superheterodyne receiver cut interference and sharpen selectivity



Built-in 2.5-watt PA system—requires only external speaker



Dual-function meter measures signal strength and relative RF output



Crystals for Channel included and installed ready for operation

A-2559 2-way Radio with Mobile Antennas

<p>A</p> <p>Save \$9.95</p> <p>89⁹⁵</p> <p>Trunk-mount Antenna</p>	<p>B</p> <p>Save \$5.95</p> <p>86⁹⁵</p> <p>CB/AM/FM Antenna</p>	<p>C</p> <p>Save \$8.95</p> <p>89⁹⁵</p> <p>Bumper Antenna</p>
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A A-2559 Two-Way Radio with Trunk-Mount Base Antenna. Separately, \$99.90. Allied A-2581 Base Antenna features no-hole "Quick-Grip" trunk mount for easy installation without special tools. Deluxe steel whip with fine-tuning adjustment for perfect 50-ohm antenna. With 16-ft. coax cable, PL-259 connector. **34 B 5605 L2U.** Shpg. wt. 9 lbs.

B A-2559 Two-Way Radio with CB/AM/FM Antenna. Separately, \$92.90. Includes Allied A-2583 Antenna single-hole mount. Use this same antenna for your FM or FM-AM car radio. Extends from 28 to 50". Chromed brass whip, loading coil, tuning rod, CB 22-ft. coax, PL-259 plug. **34 B 5607 L2U.** Shpg. wt. 10 lbs.

C A-2559 Two-Way Radio with Deluxe 102" Whip Antenna. Separately, \$98.90. Includes Allied A-2582 102" Whip Antenna with no-hole bumper mount. Has gutter hold down whip when not in use, plus heavy-duty steel spring, 20-ft. solderless coax cable, PL-259 connector. **34 B 5606 L2U.** Shpg. wt. 12 lbs.

ur best Allied 2-way Radio for in-car use . . solid-state circuit has 23 channels plus dual noise limiting circuits



**Built for Allied with those extras we know you need
for mobile use . . full-time Speech Compressor boosts
transmit range, receiver rejects unwanted signals**

149⁹⁵ no money down
see page 331

Model A-2564. Don't let our low price fool you. This model is equipped with a circuit for finest two-way voice communications. Full-power watt-input transmitter is the most powerful you can use. Efficient circuit delivers 3.5 watts to your antenna for a clean signal that really reaches out. The dual-conversion receiver captures even the weak signals, yet rejects interfering signals for excellent intelligibility even in urban areas with lots of CB "traffic."

The circuit-design and panel-layout stress ease of operation, so that no special knowledge is needed to get the full benefit of all the advanced features and communications potential. Has solid-state circuit with IC's for compactness and efficiency. A field-effect transistor (FET) is used in the receiver's RF amplifier to give you super sensitivity and clarity. Dual-conversion, plus ceramic filters, are used for sharp selectivity, positive separation of channels, and prevention of other channel interference. Husky 3-watt audio amplifier gives good reproduction and provides a public-address facility requiring only an external speaker.

Noise-blanker reduces ignition and similar interference and automatic noise limiter switches in whenever the noise-blanker switches out. Other features include an S/RF-power-output meter, adjustable squelch for silent standby operation, a built-in 3" speaker, jacks for external and public address speakers. Only 8 1/4"x3 1/4"x8". With mike, mounting bracket, all crystals.

B 5564 U. Shpg. wt. 7 1/2 lbs. **149.95**

SPECIFICATIONS

RECEIVER. Sensitivity: Better than 0.75 μ V for 10-dB S+N/N. Selectivity: 6 kHz at -6 dB. Adjacent Channel Rejection: Better than 40 dB. Image Rejection: Better than 50 dB. IF Rejection: First IF, 40 dB; second IF, 100 dB. Squelch: 1-150 μ V adjustable. Audio Output: 3 watts. **TRANSMITTER.** RF Output: 3.5 watts. Modulation Capability: 100%. **GENERAL.** Antenna Impedance: 50 ohms. Semiconductors: 2 diodes, 27 transistors, 2 integrated circuits, 1 Field-Effect Transistor. Controls: Channel Selector, Volume, Squelch, On/Off Switch. Power Requirement: 12 VDC, negative ground.

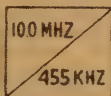
**Some of the features that make
this model, dollar for dollar, one
of the finest mobile units ever**



**Two integrated circuits
for small size and
better reception**



**Field-Effect-Transistor
pulls in more stations
without interference**



**Ceramic filters plus
dual conversion for
excellent signal clarity**



**Built-in 3-watt PA
system—requires only
external speaker**



**Automatic noise limiter
and noise blanker cut
or eliminate interference**



**No crystals to buy—
built-in 23-channel
frequency synthesizer**

Our best Allied 2-way Radio! A car/home solid-state model ready for all 23 channels . . Cut \$10 from last year's price



Works on 12 VDC or 117 VAC from built-in power supplies that are electronically regulated to give full transmit power even when voltage input is low

Model A2568. Was \$199.95. Our best model. Twenty-three channel, 3.5-watt RF output solid-state chassis with integrated circuits assures the performance you would expect to find only in more expensive models. Puts you on the air immediately with full-power, instant two-way voice communications . . . no special radio knowledge needed. Modern frequency-synthesizer gives crystal-control of both transmit and receive on all 23 channels . . . there are no extra crystals to buy.

FET in RF amplifier provides maximum sensitivity and clarity. Dual-conversion superhet receiver with ceramic filters tunes in only the channel you want, screens out interference. Audio output circuit gives 3 watts of power for plenty of volume. Full-time speech compressor for more talk-power and longer range. Solid-state transmit/receive switching and transmit light are activated by push-to-talk switch on mike. Separately fused AC and DC power supplies assure complete circuit protection on both base and mobile operation.

Noise blanker reduces or eliminates ignition and similar impulse noises with negligible loss of signal intelligibility. ANL switches in when noise blanker switches out. Has built-in 4" speaker. Combination S/RF power output meter. Built-in 3-watt PA system requires only an optional external speaker. Takes 50-ohm antenna. Jacks for external and PA speakers. 4 3/4"x11 1/4"x8 3/4". With all crystals, mike and car mounting bracket.

21 B 5568 U. Shpg. wt. 8 lbs. **189.95**

SPECIFICATIONS

RECEIVER. Sensitivity: less than 0.75 μ V for 10 dB S N/N ratio. Selectivity: 6 kHz at -6 dB. Adjacent Channel Rejection: better than 50 dB. IF Rejection: first IF, 80 dB; second IF, 100 dB. Squelch: 1-150 μ V, adjustable. Audio Output: 3 watts. **TRANSMITTER:** RF Output: 3.5 watts. Modulation Capability: 100%. **GENERAL:** Power Consumption: Receive, 13.8 VDC nom., 117 VAC nom., 120 mA standby current. Transmit, 13.8 VDC nom., 117 VAC nom., 1.4 amps at 100% modulation. Antenna Impedance: 50 ohms. Size: 4 3/4"x11 1/4"x8 3/4". Semiconductors: 23 diodes, 24 transistors, 2 integrated circuits, one FET. Power Requirements: 115 volts, 50-60 Hz AC or 12 VDC negative ground.

189⁹⁵

no money down
see page 331

Includes the latest solid-state circuits . . . every important extra for getting your messages through



Two integrated circuits for small size, better performance



Field-effect transistor pulls in stronger signals



Ceramic filters and dual conversion for sharp selectivity



Built-in 3-watt PA system—needs only external speaker

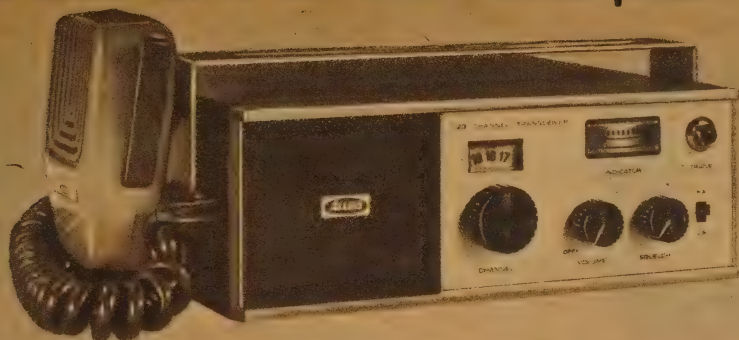


Automatic noise limiter and noise blanker for high intelligibility



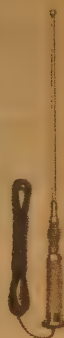
No crystals to buy—uses 23-channel frequency synthesizer

channel Mobile Outfits with Allied's lowest priced 2-way Radio



Save
\$10.90
119⁰⁰

Save
\$10.90
115⁰⁰



Allied A-2561 CB two-way Radio with no-hole trunk mount Antenna

Dual-conversion radio with ceramic filter, FET in stage . . plus easy-mount stainless steel antenna

Separately, \$129.90. Top-performing mobile outfit includes Allied A-2561 23-channel solid-state Two-way Radio, plus Allied A-2581 loaded Antenna. Sensitive radio has dual conversion, ceramic filter for sharp selectivity, PA provision. Omnidirectional antenna has stainless steel shock-spring, no-hole "quick-grip" mount, deluxe stainless steel whip with fine-tuning adjustment for perfect match to 50-ohm output. Trunk mount no marks on car, removes easily. 45" high. Solderless 16-ft. cable with PL-259 connector.

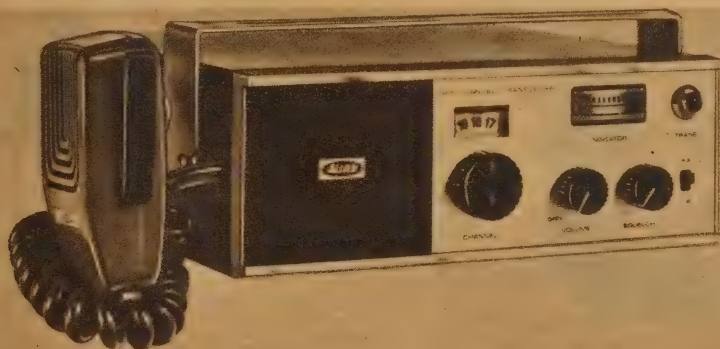
34 B 5615 L2U. Shpg. wt. 9 3/4 lbs. 119.00

Allied A-2561 CB two-way Radio with 46" car-top Antenna

Power-packed combi Dual-conversion full-feature radio and high-efficiency medium-length antenna

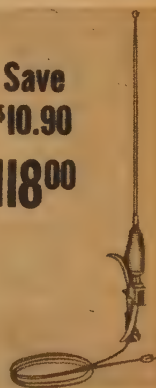
Separately, \$125.90. Powerful mobile outfit includes Allied A-2561 23-channel Two-way Radio, and Allied A-2582 46" car-top Antenna. Dual conversion radio has ceramic filter for sharp selectivity, FET in RF stage for high sensitivity, built-in speaker and PA provision. Roof-mount antenna has special loading coil for high efficiency, stainless steel spring for whip protection. You get excellent performance with a sleek, low-profile look. Snap-in mount fits 3/4" hole with positive grip. With 16-ft. coaxial cable and PL-259 connector.

34 B 5615 L2U. Shpg. wt. 10 lbs. 115.00



Save
\$10.90
112⁰⁰

Save
\$10.90
118⁰⁰



Allied A-2561 CB two-way Radio with combination CB/AM/FM Antenna

Sensitive radio with dual conversion and ceramic filters . . loaded antenna telescopes 50" to 28"

Separately, \$122.90. Outstanding mobile CB station includes Allied A-2561 23-channel solid-state Two-way Radio and Allied CB/AM/FM Antenna. Dual conversion radio features FET stage, S/RF meter, built-in speaker and PA facility. Antenna-chrome-plated brass whip topped with high-performance loading coil and lifetime stainless steel adjustable tuning rod. Coupler adjusts for best AM/FM reception. Extends to 50" telescopes down to 28 inches for low garaging. Single mounting. With 22-ft. coaxial cable, PL-259 connector.

34 B 5615 L2U. Shpg. wt. 11 lbs. 112.00

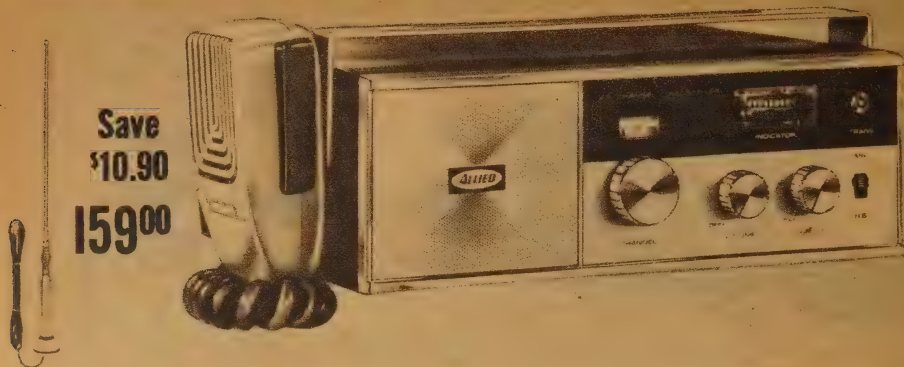
Allied A-2561 CB two-way Radio with full-length 102" whip Antenna

Feature-packed dual conversion CB radio . . top-performing whip with heavy stainless steel spring

Separately, \$128.90. Deluxe mobile CB station outfit includes Allied A-2561 23-channel Two-way Radio, plus Allied A-2582 full size 102" whip antenna. High-performance radio has dual conversion and ceramic filters for sharp selectivity, FET in RF for sensitive reception, S/RF meter, PA provision. Antenna has no-hole bumper mount for quick, easy installation without marring car finish—no special tools needed. Heavy-duty stainless steel spring prevents damage to antenna. With gutter clip, 20-ft. solderless coaxial cable and PL-259 connector.

34 B 5618 L2U. Shpg. wt. 13 lbs. 118.00

23-channel Mobile Outfits featuring our best Allied 2-way Rad



Save
\$10.90
159⁰⁰

Save
\$9.90
159⁰⁰

Allied A-2564 CB two-way Radio with no-hole trunk mount Antenna

*Radio has speech compression for extra transmit range
.. stainless steel antenna whip and shock-spring*

Separately, \$169.90. Easy-to-install mobile outfit includes Allied A-2564 23-channel two-way Radio and Allied A-2581 base-loaded Antenna. Radio has ANL, PA facility, built-in speaker, ceramic filters. Antenna has no-hole "Quick-Grip" trunk mount; heavy-duty stainless steel shock-spring; deluxe stainless steel whip with fine-tuning adjustment for perfect match to 50-ohm output, and solderless 16-ft. coaxial cable with PL-259 connector. Omnidirectional pattern assures uniform signal strength. Trunk mount installs without leaving marks.

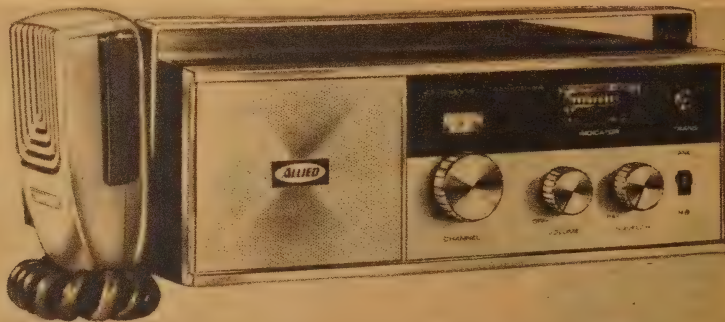
34 B 5611 L2U. Shpg. wt. 9 1/4 lbs.159.00

Allied A-2564 CB two-way Radio with full-length 102" whip Antenna

*Mobile radio features dual conversion for sup
selectivity .. antenna mounts easily on bump*

Separately, \$168.90. Mobile station includes Allied A-23 channel two-way Radio and Allied A-2582 deluxe 102" Antenna. Solid-state radio has everything you would v top mobile performance, including ceramic filters, field transistor RF stage, and integrated circuits in audio and circuits. Antenna has no-hole bumper mount, gutter clip duty stainless steel spring, solderless 20-ft. coaxial ca PL-259 connector. No-hole mount makes installation eas not mar car finish. Spring prevents damage to antenna.

34 B 5612 L2U. Shpg. wt. 12 1/2 lbs.



Save
\$8.30
154⁶⁰

Save
\$9.30
156⁶⁰

Allied A-2564 CB two-way Radio with combination CB/AM/FM Antenna

*Telescoping antenna works with your regular AM or
FM-AM car radio, also sends and receives CB messages*

Separately, \$162.90. Mobile outfit includes Allied A-2564 23-channel two-way Radio, plus Allied A-2583 CB/AM/FM Antenna. Superb radio has dual conversion and ceramic filters for high selectivity and image rejection, FET RF stage, PA facility. Antenna has chrome-plated brass whip, high-performance loading coil, lifetime stainless steel adjustable tuning rod, plus isolating coupler that adjusts for best AM/FM reception. Extends to 50 inches, telescopes to 28 inches for low garaging. Single-hole mounting. With 22-ft. coax and PL-259 plug,

34 B 5613 L2U. Shpg. wt. 10 1/4 lbs.154.60

Allied A-2564 CB two-way Radio with 46" car-top Antenna

*Great combination for a hot signal—full-featur
radio and high-efficiency medium-length anten*

Separately, \$165.90. Power-packed mobile outfit include A-2564 23-channel CB two-way Radio, and Allied A-2528 top antenna. Radio features dual conversion receiver, compression, PA facility. Antenna has high-efficiency coil, unique snap-in mount for extra-easy installation, coaxial cable with PL-259 connector. Snap-in mount 3/4" hole with positive grip for excellent stability. Staine spring offers special whip protection. Rugged construa long life and top performance.

34 B 5614 L2U. Shpg. wt. 9 1/2 lbs.

E. F. Johnson 2-way CB Radios with up to 23 channels



Johnson's best car/home model . . 23 channels

317⁰⁰

- Built-in SWR bridge
- Audio gain control
- Modulation/S/RF meter

Model 124. Designed for superior communications. All solid-circuit features built-in SWR bridge, modulation indicator, signal strength meter and RF power output indicator. Tone and gain controls operate on transmit modulation. Volume and squelch controls allow exact adjustment of receiver audio. Precise tuning; crystal filter for super selectivity. 3-watt audio output. Sensitivity of 0.4 microvolt brings in weak stations. Size, 10 1/2" x 9". With desk mike, all crystals. AC/12 VDC.

21 B 6024 U. Shpg. wt. 10 lbs. **317.00**



23-channel model for home or office

240⁹⁹

- Built-in speech compressor
- Tube and transistor circuit
- Includes desk microphone

Messenger 223. Features simplified controls for easy operation. 0.5 μ V sensitivity for 11 dB signal-to-noise ratio pulls in hard-to-get stations with exceptional readability and clarity. Full 3-watt audio output for easy-to-understand messages even in noisy rooms. Illuminated channel selector and signal-strength/relative RF power output meter. Squelch control quiets receiver audio when no signal is present. Pilot light. Modern tube and transistor hybrid circuit. 5 1/2" x 11 9/16". All crystals supplied. AC.

21 B 6027 U. Shpg. wt. 13 lbs. **240.99**



249⁵⁰

Deluxe 23-channel model for car or boat

Model 323. Deluxe mobile unit designed for high performance. Provides fingertip selection of 23 crystal controlled channels. Razor-sharp crystal filter virtually eliminates adjacent channel interference and cross-talk for better reception. Adjustable squelch control quiets receiver during no-signal conditions. Automatic Noise Limiter (ANL) eliminates annoying static and ignition noises. Built-in speech compressor assures greater power for maximum possible range. Highly stable temperature-compensated circuitry for longer life. Illuminated signal-strength/relative RF power output meter. PA facility. 2 1/2" x 8 9/16". With car mike, all crystals. 12 VDC.

21 B 6030 U. Shpg. wt. 8 lbs. **249.50**



179⁹⁹

Low-priced 23-channel car or boat model

Messenger 123. Full-power transmitter section with built-in speech compressor assures maximum range CB communications on all 23 channels. Excellent 0.5 μ V sensitivity (for 10 dB S+N/N) and built-in ANL let you bring in weak stations with greater readability and clarity. Adjustable squelch control quiets receiver audio section when no signals are present. Temperature compensation protects from -20° to 140° F. Illuminated signal-strength/relative RF power output meter. Three-watt audio output power provides good solid sound reproduction, even in noisy areas. Unit comes complete with push-to-talk microphone and all crystals for 23 channels. 2 1/2" x 6 7/8" x 8 3/4". 12 VDC.

21 B 6034 U. Shpg. wt. 5 lbs. **179.99**

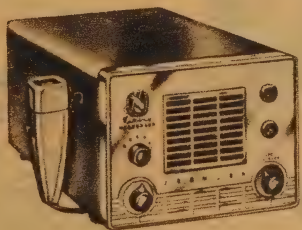


12-channel car model with dual conversion

149⁹⁹

Model III. Deluxe solid-state circuit with up to 12 crystal-controlled transmit and receive channels. Full-power 100% modulated transmitter section for maximum range communications. Dual conversion receiver offers excellent selectivity, rejecting cross channel interference. Adjustable squelch. 2 3/4" x 6 7/8". Car mike, mounting bracket, Channel 9 crystals. 12 VDC.

21 B 6039 U. Shpg. wt. 8 lbs. **149.99**



5-channel model for car or home

124⁹⁹

Messenger I. Provides a clear, penetrating signal with excellent readability for good communications. Built-in base/mobile supply. Full power transmitter with 100% modulation. 5-channel capability. Squelch, Automatic Noise Limiter. Indicator lights for transmit and receive. 10 tube circuit. With cords, mike, Channel 9 crystals. Size, 5 5/8" x 7 1/8" x 1 1/2". AC/12 VDC.

21 B 6046 U. Shpg. wt. 17 lbs. **124.99**

SHIPPING NOTE: Items with suffix U, W or Z in stock no. sent truck or express. See Ordering Information pages.

Realistic® solid-state 5-watt C



139⁹⁵

Dual-conversion 23 channels . . all crystals supplied

Model TRC-24. Features dual-conversion receiver for high sensitivity (0.5 μ V for 10-dB S+N/N) and excellent selectivity. Adjustable squelch and automatic standby operation and range noise limiter eliminate background noise during standby operation and reduce pulse-type interference when receiving stations. Pi-network output transformer provides maximum RF power to antenna. PA facility, requires only an external speaker. Modulation/transmission indicator. Illuminated channel selector. With power cable, mobile mounting bracket, hardware, ceramic mike with coiled cord. 12 VDC, negative ground. AC supply and battery pack below. **FCC Type Accepted.**
21 B 124 U. Shpg. wt. 6 lbs. 1

- Better than 3 watts RF output
- Integrated-circuit design
- Built-in antenna relay
- Automatic noise limiting



Six-channel ultra-compact model with advanced-design features usually found only in higher priced units

69⁹⁵

- Built-in range booster
- Adjustable squelch circuit
- Selective mechanical filter
- Electronic antenna switching

Model TRC-12 "Mini-Six." Outperforms many units costing much more! Powerful transmitter has range-boost to increase talk-power and useful transmitting. Receiving sensitivity is better than 1 μ V for 10-dB S+N/N. Adjustable squelch quiet standby operation. Mechanical filter gives extra selectivity against interference from stations on adjacent channels. Electronic antenna switching. Modulation indicator and illuminated channel selector. Built-in speaker, provision for external speaker power cable, mounting bracket, dynamic mike, Channel 11 crystals. For 12 VDC, negative ground. Order optional accessories below. **FCC Type Accepted.**
21 B 126 U. Shpg. wt. 6 lbs.
21 B 1200 C. Extra crystals. Specify channel. 1-5. Ea. 2.49 6-Up.
21 B 127. Battery Pack. Strap, antenna, battery meter. 3 1/2 lbs. 9x3 3/4x6 1/4".
23 B 467. "C" Battery. For above pack. Requires 10. Ea.
23 B 495. Alternate Alkaline "C" Battery. Requires 10.
21 B 125 X. AC Power Supply. 8 3/4x7 1/4x2 1/4". Shpg. wt. 8 lbs.

Way Radios . . the most powerful you can buy



129⁹⁵

- All crystals supplied
- Dual-conversion receiver
- Illuminated S/RF meter
- Adjustable squelch circuit

Model TRC-23B. Keep in touch and ready for action with this fine CB rig. Has full 23-channel crystal-controlled transmit and receive. Use as base-station with the built-in AC supply or as mobile rig with the built-in 12-VDC supply. All solid-state with advanced-design circuits and features for easy operation. Range-boost circuit gives greater talk-power and transmitting range. Dual-conversion superhet receiver has an excellent sensitivity of better than $1 \mu\text{V}$ for 10-dB S+N/N, plus a mechanical filter for high selectivity against stations from adjacent channels. Built-in relay for antenna switching. Illuminated S/RF meter; operating-mode lights; headphone and external-speaker jacks. Adjustable squelch for quiet standby. $11\frac{1}{2} \times 4 \times 9"$. With power cables, mobile mounting bracket, ceramic mike, all crystals. 21 B 128 U. Shpg. wt. 10 lbs. **129.95**



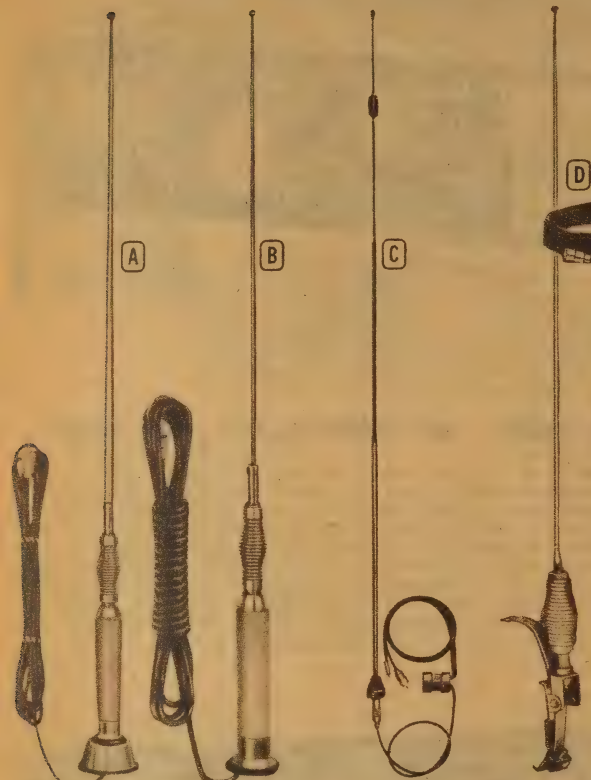
23 channels base/mobile . . none better at this price

169⁹⁵

- Integrated IF circuit
- 3-position delta-tune switch
- Noise limiter plus blanker
- Modern solid-state circuit

Model TRC-29. An unusually fine CB rig offering everything needed for outstanding communications. If you would like better range and performance plus simplicity of operation, this is for you. Dual AC/12-VDC power supplies let this versatile unit operate as either a base or mobile station. All solid-state with design features that give you instant and effective communications. Latest type dual-conversion superhet receiver with mechanical filter has excellent sensitivity of $1 \mu\text{V}$ for 10-dB S+N/N and high selectivity. Delta tuning lets you tune in those off-frequency stations. Automatic noise limiter plus blanker provide quiet operation; adjustable squelch for noise-free standby. Illuminated S/RF meter and channel selector. Relay for antenna switching. $13 \times 4\frac{1}{2} \times 8\frac{1}{2}"$. With power cables, bracket, all crystals. 21 B 135 U. Shpg. wt. 12 lbs. **169.95**

Make the most of your operating power with an Allied® Mobile CB Antenna for the longest range possible



Trunk-mount Antenna

19⁹⁵

Rooftop Antenna

15⁹⁵

CB/AM/FM Antenna

12⁹⁵

Deluxe Whip Package

18⁹⁵



Whip Antenna and selected antenna Accessories

E 96" Fiberglass Whip. $\frac{1}{4}$ wave; 2 section white fiberglass. $\frac{3}{4}$ -24 thread to fit any standard mount or spring.
21 B 6002 X. Wt. 1 $\frac{1}{4}$ lbs....**12.99**

F Heavy-duty Spring. Chrome plated with precision ground end bells. Bends through 90° arc. $\frac{3}{4}$ -24 thread.
21 B 6502. Wt. 1 $\frac{1}{4}$ lbs.....**4.60**

G Bumper Mount. Firm support, no holes to drill. Stainless-steel straps are locked snugly at 6 points. Ample adjustment.
21 B 6005 X. Wt. 2 $\frac{1}{4}$ lbs....**11.99**

H Body Mount. Heavy chrome base with swivel ball. With lugs for cable connection. Has standard $\frac{3}{4}$ -24 thread.
21 B 6501. Wt. 1 $\frac{1}{4}$ lbs.....**6.80**

J Trunk Mount. "Quick-Grip" mount installs in a jiffy. No holes to drill. With $\frac{3}{4}$ -24 thread for any whip.
21 B 6006 X. Wt. 1 lb.....**7.99**

K Trunk Mount. No visible grooves in car. Requires two $\frac{1}{8}$ " holes in groove of trunk lid. Adjustable. Has standard $\frac{3}{4}$ -24 thread for any whip.
21 B 6503. Wt. 2 lbs.....**5.99**

A Model A-2581 Base-Loaded Antenna. Easy mounting antenna with stainless-steel shock spring for low garaging. Triple-chromed dress cap and no-hole "Quick-Grip" trunk mount. Can be easily removed—leaves no scars. Stainless-steel whip with fine-tuning adjustment for perfect match to 50-ohm output. Height, 45". Solderless 16-foot coaxial cable and PL-259 connector included.
21 B 5581 X. Shpg. wt. 1 $\frac{1}{4}$ lbs.....**11.99**

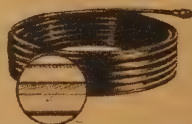
B Model A-2528 Base-Loaded Antenna. Heavy-duty model with stainless-steel spring for special weather protection and professional appearance. Factory matched to 50-ohm output. Rooftop application affords excellent omnidirectional signal pattern. May be mounted on any flat surface of car. Unique "snap-in" mount installs quickly in $\frac{3}{4}$ " hole. Antenna is 46" long. With 16' cable and connector.
21 B 5528 X. Shpg. wt. 1 $\frac{1}{4}$ lbs.....**11.99**

C Model A-2583 CB/AM/FM Antenna. Ends need for separate CB and regular car radio antennas. Mounts in place of your present AM or FM antenna, delivers fine-sounding CB plus standard AM and FM. Extends up to 50 inches; telescopes down to 28 inches for low garaging. Chrome-plated brass whip is topped with performance-boosting load coil and lifetime stainless steel adjustable tuning. Isolating coupler for best CB reception; adjustable finest AM/FM. Single-hole mount. With PL-259 p and 22-ft. coaxial cable.
21 B 5583 X. Shpg. wt. 3 lbs.....**11.99**

D Model A-2582 Deluxe 102" Whip-Antenna Package. Here's a full-size antenna system of the type used by law-enforcement agencies. No-hole bumper mount for quick, easy installation without marring your car's finish. Includes gutter-clip to keep whip below height of car when not in use. Heavy-duty stainless-steel spring prevents damage to antenna. V 20-ft. of solderless coaxial cable and a PL-259 connector. Antenna system installs quickly and easily without the use of any special tools.
21 B 5582 X. Shpg. wt. 5 lbs.....**11.99**

Model A-2529 Bumper-Mount 96" Whip-Antenna Package. (Not illustrated.) Allied exclusive! B fiberglass 2-section whip is $\frac{1}{4}$ -wave for optimum performance across the entire CB band. Stainless steel spring for low garaging. With bumper mount offers easy installation without marring car's finish. Gutter clip keeps whip low when antenna is not in use. Package includes 20-ft. of solderless coaxial cable and PL-259 connector. Standard $\frac{3}{4}$ -24 thread.
21 B 5529 X. Shpg. wt. 5 lbs.....**11.99**

Dearborn low-loss foam-dielectric Coaxial Cable Assemblies



Low 25 **6.99**

Premium, ready-to-use coaxial cable assemblies with connectors attached. Polyethylene foam-dielectric and non-contaminating PVC jacket. Cuts line loss and increases system efficiency.

RG-8/U 50-ohm Coax Cable. Has PL-259 plug at both ends for quick, easy installation.
278 B 6004. 50-ft. Coil. Shpg. wt. 7 lbs.....**11.99**
278 B 6003. 100-ft. Coil. Shpg. wt. 14 lbs.....**11.99**

RG-58/U 53.5-ohm Coax Cable. Has PL-259 p at both ends for fast installation.
278 B 6002. 50-ft. Coil. Shpg. wt. 2 lbs.....**11.99**
278 B 6001. 100-ft. Coil. Shpg. wt. 4 lbs.....**11.99**

Allied® Citizens Band base station Antennas give you a more powerful signal... and are priced for more value

5-element
m Antenna

99⁹⁵

Vertical or
horizontal
operation



Full five-element Beam with all the big features... our best Antenna

- Full-length 24-ft. boom with 18-ft. elements for highest gain
- Outstanding front-to-back ratio of 25 dB
- Near-perfect highly directional pattern

Model A-2599. Feature-for-feature this five-element antenna is the best value anywhere in an all-aluminum beam. The full 24-foot boom allows perfect spacing of every element for maximum gain. Longest element is 18-ft. 8¼-in. long. Antenna radiates a near-perfect directional pattern to give you the best possible performance.

Antenna delivers extremely high forward gain of 12.3 dB and has an excellent front-to-back ratio of 25 dB or better to help eliminate annoying interference from other stations. Features Beta matching for low VSWR with 52-ohm cable.

Weather-protected heavy-duty construction assures you of many years of reliable service. Can be used either vertically or horizontally for best signal-pulling power. Wind load, 62 lbs. Mounts on any 1½" diameter mast. Complete with mounting and wiring instruction manual.

21 B 5599 ZW. Shpg. wt. 24 lbs. 39.95

Big-value
antenna
priced low

11⁹⁵

Big-value Ground Plane omnidirectional coverage

radials for wide pattern
ground removes static
seamless aluminum tubing

Model A-2505A. Offers excellent coverage. Radials are solidly constructed of seamless aluminum tubing to withstand both high winds and weather. Provides unity gain. Impedance matched. Beta matching design insures correct impedance match with your antenna; DC ground removes signal static and insures lightning protection. Utilizes simplified installation—can be mounted against mast or on a 1-in. to 1½-in. diameter mast to fight rust. Includes instructions and hardware for fast installation. Shpg. wt. 3 lbs.

21 B 5570 X. 11.95

"Top-hat"
half-wave
antenna

16⁹⁵

Our most popular Antenna has top hat for low noise level

- Provides 3.8 dB circuit gain for improved radiation
- DC ground eliminates static

Model A-2570. This half-wave end-fed antenna outperforms many CB base antennas that cost much more. Has exclusive top hat clover-leaf to provide lowest possible noise level by dissipating static. Entire antenna is at DC ground for protection from lightning. Impedance, 52 ohms. Boosts circuit gain 3.8 dB to get your signal out. 1.25:1 VSWR. Consists of 17-ft. weatherproofed seamless aluminum radiator and three 52" aluminum radials. For masts 1¼" to 1½" diameter. Complete and ready to install on your mast. Includes instructions and rustproof hardware for immediate installation. Shpg. wt. 6 lbs.

21 B 5570 X. 16.95

Deluxe
360°
antenna

26⁹⁵

Collinear Antenna for long-range communications

- ¾-wave for longest range
- Excellent radiation pattern
- Solid-state matching coupler

Model A-2572. Our finest omnidirectional base antenna for extra-powerful coverage. Sturdy 9-foot 10-inch seamless aluminum radiator is ¾-wave long for superior performance. Three 9-foot radials. Solid-state matching coupler for maximum transfer of signal. Provides 4 dB circuit gain, 1.04:1 or less VSWR. Top-hat clover-leaf discharges static for clear signals. Center-skirt for more efficient broadband operation. Entire antenna is at DC ground to protect from lightning. For masts 1¼" to 1½" diameter. Complete with instructions and rustproof hardware for easy installation. Shpg. wt. 7½ lbs.

21 B 5572 X. 26.95

SHIPPING NOTE: Items with suffix U, W or Z in stock no. sent truck or express. See Ordering Information pages.

GOOD

Ground Plane
with solid
aluminum elements

9⁹⁵

Low cost but high quality performance and efficiency. Three 108° two-section dropping radials plus a two-section radiator (vertical element). "U" clamp fits all masts up to 1 1/4". Built-in lightning protector. Terminates with type SO-239 connector. Accepts PL-259 plug.

21 B 901 X. Shpg. wt. 5 lbs. **9.95**

BETTER

"Super Maxim"
with hex loops
dissipates static

19⁹⁵

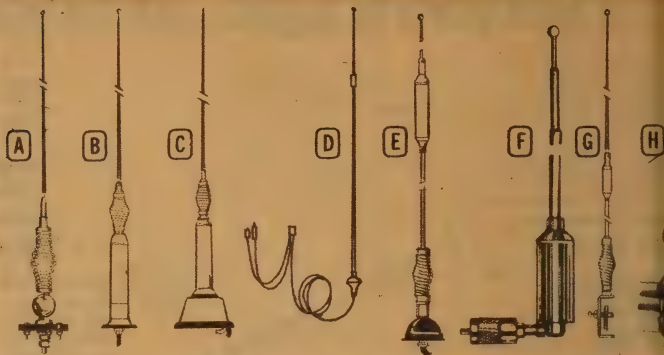
Provides more gain than many higher priced antennas (3.75 dB omni-directional gain). End fed 1/2-wave radiator antenna. VSWR 1.15 to 1. Moisture-protected phasing transformer, heavy gauge 5 section seamless aluminum radiators. Grounded for greater noise reduction. Three 54" horizontal aluminum radials. Mounting bracket with "U" clamp accepts up to 1 1/2" dia. mast. Accepts PL-259 connector.

21 B 902 X. Shpg. wt. 10 lbs. **19.95**

BEST

32⁹⁵

Radio Shack® Base and Mobile CB Antennas



Efficient Antennas for car or truck

A Economy Model. 102" stainless steel whip designed for resiliency and strength. Swivel ball mounting base for easy mounting on any surface—trunk, roof or fender. Lug-terminal connections—less cable (see page 204). Cadmium-plated steel spring.

21 B 1094 X. Shpg. wt. 5 lbs. **8.95**

B Roof Mount. 46" high. Base loaded omni-directional type. Stainless steel spring and whip. Mounts in 3/4" hole. Snap-in mounting. Grounded for noise reduction. Solderless lead connections. No special tools required. With 16-ft. RG-58/U cable, PL-59 connector.

21 B 904 X. Shpg. wt. 3 1/2 lbs. **14.95**

C Trunk Mount. 46" high. Base-loaded. Grounded antenna for low noise. Designed for trunk lip mounting. Installs in seconds—no holes to drill. With stainless steel whip and spring. Solderless lead connections—less cable (see page 204).

21 B 908 X. Shpg. wt. 2 lbs. **16.95**

D Cowl Type CB/AM/FM. Eliminates need for 3 separate antennas. Center loaded telescopic 2-section antenna extends to 50". Weather-proof resonator. Chrome plated single hole mount. 22' RG-58/U cable. PL-259 connectors.

21 B 930 X. Shpg. wt. 3 lbs. **13.98**

E "Shorty" Roof Mount. Only 1' high. Center loaded coil for high efficiency. Rugged stainless steel whip and 3/4" snap-in mount. No soldering required. With RG-58/U cable and PL-259 connector. Designed for low interference.

21 B 906 X. Shpg. wt. 3 lbs. **14.95**

F Base Loaded "Quick Fix." Connects to any CB transceiver—base, mobile or portable. Sturdy 3-section, chrome-plated whip provides top-notch reception of weak stations. Extends to 36" in 10 seconds. PL-259 connector for direct top, side or rear mounting.

21 B 907 X. Shpg. wt. 1 lb. **14.95**

G Gutter Clamp Antenna. Only 1' high. Installs easily in seconds. Center loaded weatherproof coil. Mounts on any mobile roof gutter with two clips that hold it firmly in place, even in bad weather. With RG-58/U cable. Terminates with PL-259 connector.

21 B 909 X. Shpg. wt. 2 lbs. **14.95**

H Bumper Mount. Heavy duty telescopic antenna. Double chain bumper mount. Absorbing cadmium plated spring. Gutter clip. 102" stainless steel whip. Less cable (see page 204).

21 B 915 X. Shpg. wt. 6 lbs. **19.95**

Colinear Antenna with deluxe features of more expensive antennas

Model CLR-2. Best and longest legal colinear made for full-range communications . . . and virtually static-free reception. 19' 10" vertical radiator is full 1/2 wavelength electrically for superior performance. Delivers strongest signal—lowest radiation angle of any comparable antenna, that we know of, on the market.

Recessed coax connector in moisture safe housing. Original tophat static arrester. 12.55 Watts "Talk Power." 4 dB gain in all directions. Taper swaged seamless aluminum radiator and radials.

21 B 1133 X. Shpg. wt. 8 lbs. **32.95**

Walkie Talkie Antennas

Heavy-duty type Telescopic Whip

Chrome plated. Collapsible 54 1/2" to 63 1/2". 11 section diameter. Perfect replacement for most walkie talkies. Assorted hardware.

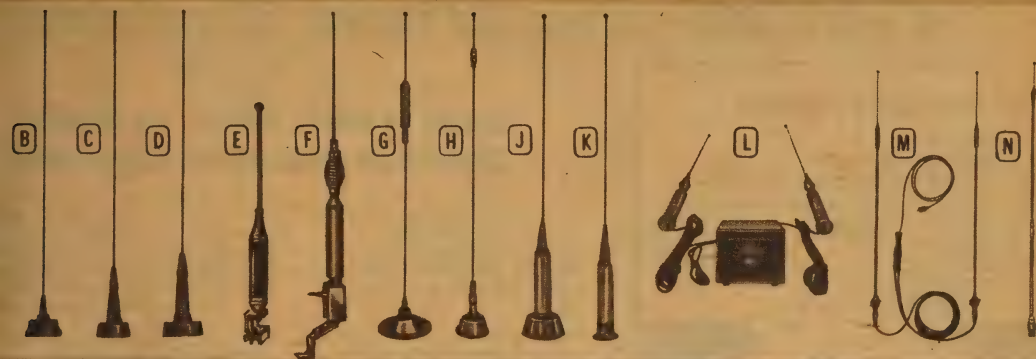
21 B 1156. Wt. 1 lb. **14.95**

Universal type for any Walkie Talkie

Universal base loaded places broken or existing antenna. Only 16" long. Installs in seconds. Chrome plated base; set screw. Steel whip.

21 B 919. Wt. 1/2 lb. **14.95**

Antenna Specialists and Hy-Gain Mobile & Base CB Antennas



HY-GAIN

ver Hellcat 457 Magnetically Mount-Antenna. New Hi-Power! No un-holes to drill—no special tools d. Installs easily and quickly with mounting to give clear, long-CB reception. 34 1/2" high. Comes ste with 16 feet of coax cable and ctor for fast, convenient hookup. 03 X. Shpg. wt. 4 lbs. **17.99**

ver Hellcat 458 Trunk-Lip Antenna. v Hi-Power! Mounts quickly and on lip of trunk lid . . . holds firmly rough weather for clear, distortion-ception. 47" high. Comes complete feet of coax cable and connector, easy installation. 04 X. Shpg. wt. 4 lbs. **21.99**

ver Hellcat 461 Folding Antenna. y Hi-Power! Tension loaded with nsitivity. Drops 90° when it touches ruction. 47" high. Claw mounting. complete with 22 feet of coax cable nector. Easily and quickly installs special tools needed. 07 X. Shpg. wt. 3 lbs. **19.99**

cat 10 High-Power Antenna. Made andle 150 watts; peak power perce at CB power. 56" high. Easily ickly installs on roof or trunk lid. ss steel high tension spring. 10 X. Shpg. wt. 4 lbs. **19.99**

[E] Replacement Antenna. Ideal for replacement of broken antenna or where full antenna length is not satisfactory. Shpg. wt. 1 lb. 21 B 6500 **3.99**

[F] M-127 Trunk-Groove-Mount Antenna. 40" base-loaded stainless steel antenna and spring. Snap-in mounting in 3/4" hole. With 16-ft. RG-58/U cable, PL-259. 21 B 6011 X. Shpg. wt. 3 lbs. **20.99**

[G] M-168 Magnetic Mount Antenna. Center-loaded, with heavy-duty magnet mount. Just stick it on to operate. Ideal for quick mobile use, or permanent mounting. 21 B 6012 X. Shpg. wt. 2 lbs. **16.99**

[H] MR-196 Trunk Mount Fiberglass Antenna. Sleek appearance, rugged performance. "Quick-Grip" clamp for easy, attractive installation on forward edge of trunk lid; no holes needed. Center-loaded fiberglass whip with fingertip tuning, only 40" high. Triple chromed dress cup. With coax cable, PL-259 solderless connector. 21 B 6013 X. Shpg. wt. 2 lbs. **18.99**

[J] M-304 "Quick Grip" Fiberglass Antenna. All white fiberglass whip resists bending in the wind. Shock spring blends whip to all-white base loading coil. No-hole "Quick-Grip" mount. With coax. 21 B 6014 X. Shpg. wt. 2 lbs. **23.99**

[K] M-303 "Snap-In Mount" Fiberglass Antenna. Same handsome white fiberglass whip, shock spring and coil as above, but with snap-in mount for fast installation in 3/4" hole. Comes complete with coax cable for easy installation. 21 B 6015 X. Shpg. wt. 2 lbs. **19.99**

[L] M-231 Matched Pair Antennas. Precisely-matched pair of M-125 base-loaded antennas for snap-in deck or roof mounting . . . gives you perfect, highly dependable performance for CB operation. Comes complete with RG-58/U interconnecting cables, control box, all mounting hardware for fast, easy installation. 21 B 6016 X. Shpg. wt. 6 lbs. **49.99**

[M] M-229 Dual Antenna System. Two MR-49 swivel-mount antennas and 18 ft. of RG-58/U interconnecting cable; without control box. Co-phased system gives uniform signal pattern in all directions, eliminates blind spots and fading . . . and always assures you of trouble-free CB operation and years of dependable service. Shpg. wt. 6 lbs. 21 B 6017 X. **23.99**

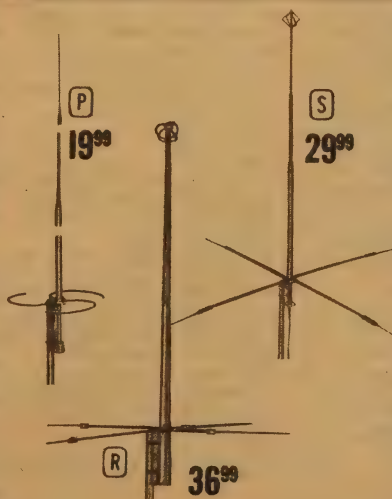
[N] M-301 Tunable 72" Fiberglass Whip. Two-piece white fiberglass whip with fingertip tuning. Encapsulated top loading coil. Fits 3/4"-24 mounts, springs. 21 B 6018 X. Shpg. wt. 2 lbs. **13.99**

BASE ANTENNAS

"Goldenrod" 1/2-wave
Gain. Full 1/2-wave with short als for installation virtually any- Gold-iridite treated. 52 ohms. DC for low noise and lightning protec- height: 17". For masts up to 1 1/2". 20 X. Shpg. wt. 6 lbs. **19.99**

ghty Magnum III" low-angle
enna Specialists. Offers up to 6 dB l improvement for your transmitter. gain. Ball reduces static. High-Q g. 52 ohms. Low-angle radiation. to 1 1/2" masts. 08 X. Shpg. wt. 10 lbs. **36.99**

Super Magnum" 1/2-wave
enna Specialists. 1/2-wave with 1/4e radials only 60" long. Height: 4-48 gain. 1.4:1 VSWR. Sturdy ss aluminum construction. 19 X. Shpg. wt. 7 lbs. **29.99**



99⁹⁹

**Antenna Specialists Best
CB Dual-polarity Antenna**

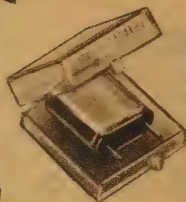
Model M-214 "Boss-404." Dual polarity cross polarized beam antenna for reliable communication between base-to-mobile or mobile-to-mobile. Takes a full 100-watts talk-power for long distance communications. 1/2-wave elements. Gamma matching. VSWR—1.5:1. 50 ohms. Sturdy aluminum construction. Shpg. wt. 27 lbs. 21 B 6009 ZW **99.99**

Citizens Band Crystals for any make, any model 2-way Radio ... all with 0.003% tolerance that exceeds FCC requirements

Individually Packaged



Each crystal comes
in protective
plastic case



Upgrade any Citizens Band radio with these precision Crystals

The frequency accuracy, stability and tolerance of your Citizens Band Radio equipment can be no better than the quality of the crystals you choose for your set. Make no compromises in this extremely important factor of operation. Regardless of the quality or cost of your CB set, improper or low-grade crystals will reduce performance and in some cases even cause illegal, off-frequency signals.

Our crystals feature highest accuracy and stability; they exceed FCC requirements with a frequency tolerance of 0.003%, not just the required 0.005%. In effect, this means that your transmission and reception will be greatly improved because your set will be operating much closer to any given channel frequency—without drift. Crystals for CB models are either precision 3rd overtone or series resonant types as indicated in the manufacturer's specification requirements. Each crystal is made under exacting conditions, and is inspected along every step of assembly for the finest quality and precision available. Every crystal comes in a handy plastic container for convenience as well as protection. When ordering crystals please specify channel desired, whether transmit or receive and manufacturer and model number of CB set.

*Indicates no receive crystal is used. †Indicates one crystal is used for both transmit and receive functions.

20 B 1200 C. Shpg. wt. 3 oz. 1-5. Each 2.49
6 and Up. Each 1.99

**NOTE: ALLIED RADIO SHACK
CAN SUPPLY CRYSTALS FOR
ANY CB 2-WAY RADIO. THE
LIST ON THIS PAGE IS ONLY
A PARTIAL LISTING OF CRYSTALS
AVAILABLE.**

Crystals for Allied®, Knight®, and Realistic® Citizens Band equipment and walkie-talkies

Model No.	Model No.
KN-2500, KN-2550; KN-2580	Knight-Kit C-555, KG-4000A
A-2507, KN-2520, KN-2522,	Realistic CBK1, TRC27A, TRC
Safari II, III, IV	TRC-X20, 941594, Pocket Ph
A-2530	Realistic TRC5
A-2543, A-2544, A-2545, A-2559	Realistic TRC12, TRC100
KN-2585	Realistic TRC14, TRC15
KN-2590	Realistic TRC20, 25, 33, 35, 44,
Knight-Kit C-22, C-560	66, 88, 99A
Knight-Kit C-540*	

Crystals for other popular Citizens Band equipment and walkie-talkies

Manufacturer and Model	Manufacturer and Model
Airline (Wards) Cat. No. 62-522, 523, 524, 525, 560	Lafayette HE20, 20A, 20B, 20C, 24, 43B, 43C, 65, 90
Amphenol 600, 625, 650, 675	Lafayette HE20J and T, HA450
Amphenol 750, 725	Dynacom 5, 6, Micro 12
B&K Cobra 5	Lafayette HE29 (very early), H
Cadre 500	Lafayette HE29 (except very ea
Cadre 510, 510A, 515, 520	HE29A, 29B, H10TC, HE31,
Citifone 5A, 6, 7, 11, 99	82, 83
Claricon Century	Lafayette HE29C, HA60, HA62
Commander 750	86, GT-50, HE75, HE88, HA99,
Courier Fleet, A-58	100A, HA130, 135, 150, 210, 2
Courier TR-5, TR-6	711, Dynacom 2, 3, 2A, 3A
Courier 12	Lafayette HB111, HB200
Demco Satellite*	Lafayette Comstat 9, 19
Demco Chalet	Lloyds 7A08, 7A11, 8A22
Demco Ravelle	Metrotek "Colt 23"*
Dewald TR1000, R1050, F1050	Metrotek "Mustang," 65 & II,*
E.C.I.—see Courier	Metrotek "Pacer II"
E. F. Johnson Personal Messenger	Midland 13-042, 13-105, 13-106,
E. F. Johnson Messenger I, II	13-110, 13-111, 13-113, 13-113
E. F. Johnson Messenger 100, 125, 110	13-120, 13-121, 13-124, 13-124
E. F. Johnson Messenger III, 300	13-125, 13-132, 13-133E, 13-1
Eico 770-772, 777	13-150, 13-410, 13-425, 13-428
Eico Sentinel 12, 712	13-700, 13-710, 13-722, 13-724
Fanon DCL-50, RCB-10, FCB 11, 12, 13, 55, 90, 91, L-1000, L-2000	13-732, 13-760, 13-765, 13-770
Fanon IC-10, IC-1000, IC-3000, IC-5000	13-775, 13-775B, 13-855, 13-8
Fanon SFT-600	Monarch TC900, TC66
General MC1, MC2, MC3	Olson Spotter 1, 2, 3, RA530*
General MC4, MC5, MC6, EM5, EM6	Olson RA396, RA442, RA443
General Echo 9	Olson RA446
Globe CB100	Olson RA482, RA52
Globe CB100A	Olson 717
Globe CB200	Page 100, 200, 5000
Hallcrafters CB2, CB3A, CB5A, CB7, CB9, CB10, CB17, CB27	Pearce Simpson Companion III
Hallcrafters CB12, CB19, CB21	Polytronics Poly Pup
Hallcrafters CB6	Raytheon TWR5, 6, 7, 8, 9, 11
Hallcrafters CB20	RCA Mark VIII, IX
Heath CB2, GW10, 11, 12, 22, 32, 34, 42, MW30, MW33	RCA Mark X
Heath G14, GW21, GW52, GRS-65A	Regency 500, Bronco, Charger
Int'l Executive 50, 100, 100A, 100C, 100D, CTZ-50, CTZ-5A2, CTZ-5B2	Regency—see Metrotek
J. C. Penney "Pencrest 10"	Sears-Roebuck Cat. No. 6450,
J. C. Penney Pinto 23 Jr.	Sears-Roebuck Cat. No. 6550
J. C. Penney 85-11-1, 850-1520, 8115, 8118, 8120, 8121, 8515, "Pinto Jr."	Sears-Roebuck Cat. No. 6552
Karr Sky Hawk†	Sears-Roebuck Cat. No. 6556
Karr Sky Lark	Sears-Roebuck Cat. No. 6558
Lafayette HE15, 15B, HB115, 115A*	Sonar E (below serial no. 915)
	Sonar E (above serial no. 915)
	Sonar G
	Sonar H
	Squires Sanders S5S
	USL TR1000, TR1050, Contar
	USL Contact 8

Transmit farther with these CB Accessories



Gain Ferrite Balun BN-27A. Converts 52-ohm unbalanced transmission to 52-ohm balanced system (beam antenna). Improves power transfer and eliminates stray RF. For all CB channels. Mounts on boom or mast. 21 B 6511. Shpg. wt. 1 lb.12.99

Gain Phone Patch. Easy-to-install patch interconnects 2-way radio to telephone. Matches 4-6 ohm speaker to high-impedance mike. Lets you talk locally or long-distance phone from car through your base station. In emergencies, you can talk directly with police departments. Push-to-talk operation. Includes on/off switch, gain control and connecting cable. 4 1/4 x 2 1/4". 21 B 6512. Shpg. wt. 1 lb.16.99

Gold Line SWR Mini-Bridge. Negligible insertion loss. 500 watts average impedance, 50 ohms. Extra scale available power. Size, 1 1/2 x 2 1/4 x 1 1/4". 21 B 6513. Shpg. wt. 8 oz.13.50

Generator Noise Filter. Nontunable filter designed to eliminate receiver noise caused by car alternator systems. Identical as to frequency or voltage—operates on any voltage up to 32 volts. 21 B 6508. Shpg. wt. 2 oz.4.50

Gain Base Station Control. Every accessory needed for convenient CB operation, in one handsome unit. Has SWR meter with modulation percentage meter and rect-reading power meter; Phone Receive Preamp with up to 20 dB speech processor; Antenna Switch interconnects; On-the-Air Display; Four Ties; Station Mute Control; Overall Switch. 6x17x8". 21 B 6510. Shpg. wt. 9 1/2 lbs.159.99

F Gold Line GLC 1051 TVI Filter. Eliminates TV interference caused by CB transmissions. Tuning knob allows maximum TVI rejection. Size, 2 3/4 x 1 1/2 x 1 1/2". 21 B 6515. Shpg. wt. 6 oz.5.99

G Gold Line GLC 1050 Output Power Sensor and Dummy Load. Knowing your actual output power, you can adjust transmitter and antenna for best power output. Using any handy VOM, converts volts to watts. 52 ohms. 4x1 1/2 x 1 1/2". 21 B 6516. Shpg. wt. 6 oz.9.99

H Gold Line GLC 1048 2-Position Coaxial Switch. Just turn knob of this quality coaxial switch and instantly change from one antenna to another. 2 1/2 x 1 1/2". 21 B 6517. Shpg. wt. 1 lb.6.59

J 5-Position Coaxial Switch. Handy 5-position switch rated 1 kW. For 80-10 meters, including 11-meter CB. 21 B 6518. Shpg. wt. 3 lbs.9.99

K Courier Port-a-Lab Ham-CB Tester. Monitors transmitter and helps assure proper operation. Lets operating factors that previously required two or more instruments. Measures SWR, true RF power to 50 watts, modulation percentage, relative field strength. Audibly checks distortion. 6x8x3 1/2". 21 B 6001 X. Shpg. wt. 5 lbs.55.00

L Gold Line GLC 1052 In-line Wattmeter. Reads output power in watts. Stays in line for constant monitoring. Low insertion loss. 100 watts continuous power. 21 B 6519. Shpg. wt. 4 lbs.32.99

M Generator Noise Filter. Eliminates radio interference caused by annoying whine and grinding noises. Tunable from 3 to 30 MHz. With mtg. bracket. 21 B 6507. Shpg. wt. 5 oz.4.50

N Goldline Line Matcher. Provides low SWR and excellent power transfer to antenna. Broadband tuning, screwdriver adjustments. Has two SO-239 connectors. 3 3/4 x 1 1/2 x 2". 21 B 6504. Shpg. wt. 4 oz.10.50

P Cesco "Phantom" Dummy Load. Replaces antenna. (Federal Communications Commission—FCC—regulations prohibit adjustments with an antenna connected.) 52 ohms. Standard UHF connector. Simple to use... perfect results. 21 B 6505. Shpg. wt. 6 oz.2.75

R Gold-line CB Signal-Hunter Direction-Finding Antenna. Mounts easily with suction cup and bracket. Tuning knob on loop. Loop is rotated for strongest signal in receiver. With 8-ft. of coax cable. Standard PL-259 plug. 21 B 6022 X. Shpg. wt. 4 1/2 lbs.14.75

S Thorotest RF-1 RF Power Meter. Measures transmitter output power in mobile, marine and amateur rigs. Reads radio frequency output power directly from the antenna system. Wattmeter has two ranges: 0-10 watts and 0-100 watts. 52 ohms. SO-239 connector. 4 1/4 x 2 1/4 x 2 1/4". 21 B 6520. Shpg. wt. 3 lbs.15.99

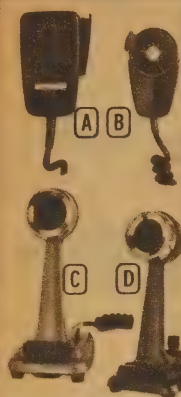
T Gold Line GLC 1055 150-Watt CB Matcher. Increases output power by impedance matching your rig and antenna. Handles 150 watts continuous power. Corrects mismatch up to 5:1. Low insertion loss. 10 to 800 ohms. 3x4x6". 21 B 6514. Shpg. wt. 4 lbs.39.99

W Mastercrafters 191 Clock. 24-hour dial. 8" chrome case. Shows world time. For 110 V, 60 Hz AC. 21 B 6506. Shpg. wt. 1 1/2 lbs.9.99

Extra-value Radio Shack CB and Ham Accessories

Direct Replacement and Transmitter Mikes

- A** Ceramic Microphone. 2-cond. shielded, coiled cable. DIN type plug. Replacement for TRC-23B, 24, 29, Navaho Pro Output: -60 dB. 150-80,000 Hz. 21 B 1167. Shpg. wt. 1 lb. **6.95**
- B** Dynamic Microphone. 3-cond. shielded coiled cord. DIN type plug. Replacement for Realistic TRC-10. Output: -78 dB. Response: 200-8000 Hz. 21 B 1168. Shpg. wt. 1 lb. **6.95**
- C** Ceramic Microphone. 3-cond. shielded coiled cable. Desk type. Lock switch. Stand. 8x3½x5½". High imp. Output: -46 dB. 65-12,000 Hz. 21 B 1169. Shpg. wt. 2 lbs. **12.95**
- D** Transistorized Ceramic Mike. 3-cond. shielded cable. 2 transistor pre-amp. 50 times more output than conventional mikes. Lock switch. Variable gain and output. Stand. 8x3½x5½". 65-12,000 Hz. 21 B 1170. Shpg. wt. 2 lbs. **21.95**



149

E



F

99



G

249

H

99¢



249

M



N

20 ft. to lugs
20 ft. both ends



595

PL-259 Coax Cable

J

With Connector



369

K



349

L



249

M



N

20 ft. to lugs
20 ft. both ends



P

59¢

R

299



S

125



119

T



X

49¢

each

E Dummy Antenna Load

Lets you tune your transmitter without causing interference. Replaces antenna. (FCC regulations prohibit tuning or other adjustments with an antenna connected.) Non-inductive 52 ohm load for testing up to 5 watts. PL-259 coaxial plug. 21 B 628. Shpg. wt. 8 oz. **1.49**

F SWR/FS Meter

CB and Ham field strength/SWR meter. For CB and amateur measurements of radio station antenna SWR. Measures SWR forward and reflected power up to 1 kW. Can be left continuously in circuit to measure transmitter output, SWR: 1:1-3:1, or use it to check comparative RF field strengths. SO-239 connectors at each end of case. Includes 5-section telescopic antenna. Operates from 2-30 MHz. 100 µA meter movement. Imp: 52 ohms. 4½x2x2½". 21 B 575. Shpg. wt. 1½ lbs. **9.95**

G Generator Noise Filter

Adjustable filter eliminates generator brush noise. Installs easily on 6, 12 and 24 V generators. 3-30 MHz. 21 B 501. Shpg. wt. ½ lb. **2.49**

H CB Mike Holder

Keeps your mike in place no matter what the terrain. Magnetic clip easily attaches to car, boat, truck. Holds mikes that weigh up to 12 lbs. 21 B 1130. Shpg. wt. 3 oz. **99¢**

J Base Coax Cable

50-ft. base coax cable assemblies. Get top efficiency from a 52-ohm transmission line. Polyfoam dielectric assures low line loss by getting most power output from CB base station transceiver to the antenna. Two PL-259 connectors. 278 B 971. RG58/U. Shpg. wt. 2 lbs. **5.95**
278 B 970. RG8/U. Shpg. wt. 2 lbs. **9.95**

K Noise Suppressor Kit

A must for every CB and ham operator. Kit includes six or eight spark plug suppressors, a distributor suppressor, and a by-pass capacitor. Installs quickly and easily. 21 B 502. 6 cylinder. Shpg. wt. 2 lbs. **3.69**
21 B 503. 8 cylinder. Shpg. wt. 2 lbs. **3.98**

L "Mini" Swivel Mount

Chrome plated base and ball with lug terminals for use with mobile antennas. Both vertical and horizontal mountings. 21 B 1115. Shpg. wt. 2 lbs. **3.49**

M Alternator Noise Filter

Alternator-equipped cars. Attenuates noise by 5 dB. Operates up to 32 VDC. 21 B 507. Shpg. wt. 8 oz. **2.49**

N Mobile Coax Cable

20-ft. mobile coax cable assemblies. RG58/U. 52 ohm assemblies connect antenna to transceiver. UG adapter for close connector fit. 278 B 968. PL-259 to Lugs. Wt. 2 lbs. **2.98**
278 B 967. PL-259 both Ends. 2 lbs. **3.49**

P Coax Cable Connector

Meet military specifications. Comp new, not replated. 278 B 205. (1) PL-259 **2.49**
278 B 201. SO-239 **2.49**
278 B 1369. PL-259 **2.49**
278 B 206. (2) UG-175 Adapter for PL-259 U Cable **2.49**

R "Mini" Steel Spring

Durable, long-lasting, chrome-plated. Provides maximum support for heavy center-loaded antenna. Suitable with removable ½" threaded stud. 21 B 1118. Shpg. wt. 3 lbs. **2.49**

S Antenna Hold-Down Clip

No more broken or snapped antenna. Secure mobile whip to car for garaging. Easily installed. Won't rust. 21 B 917. Shpg. wt. 1 lb. **2.49**

T Coax Connector Adapter

Designed to adapt PL-259 connector to standard pin plug (Motorola type) provides positive contact, with extreme loss connection. Shpg. wt. ¼ lb. **2.49**
278 B 208. **2.49**

X Y Auto Radio Suppressor

Eliminate ignition and other electrical interference originating in the vehicle give you clear, vibrant sound. Easy quick to install. 270 B 012. (X) Straight type **2.49**
270 B 013. (Y) Right-angle type. **2.49**

Realistic 100-mW Walkie Talkies give you more features at less cost!



REALISTIC TRC-1B
7 TRANSISTOR
SUPER-HET
TRANSCIVER

*Now! Go camping, fishing,
hunting or hiking and
know for sure you can
keep in constant touch with
home base or be told where
the "big-ones" are biting*

**100-mW superhet model
for those who want more than
an ordinary Walkie Talkie**

13⁹⁵

**priced below many
super-regens!
easy-to-operate
push-pull audio**

TRC-1B. Provides budget-
friendly for scouts, outdoorsmen and
youth with more output,
audio and greater sensitivity
at a comparably priced walkie
talkie. Get durable, trouble-free
circuitry and perform-
ance in excess of the modest
price. Handsome die-cast front
includes crystals for channel
selection control with on-off switch,
45° 7-section telescopic an-
tenna and hand strap. 6x2½x1½".
S. Shpg. wt. 2 lbs. **13.95**
Extra 9-V Battery. . . Ea. 35¢

Crystals. Specify channel, re-
ceive or transmit, and Model No.
21 B 111 S. Shpg. wt. 3 oz. Ea. 2.49

**Something special in our
2-channel 100-mW superhet model
with separate speaker and mike**

19⁹⁵

- Battery condition indicator
- "Beep" tone signal feature

Model TRC-25A. A versatile model
that offers nearly everything you could
want in a go-anywhere walkie talkie.
Features: compact, slim-line design,
push-pull audio, 2-channel operation,
option of plug-in crystals for other CB
channels, plus a separate speaker and
microphone for maximum modulation
and reception. 43" telescopic antenna,
set of crystals for channel 11. Comes
complete with 9-V battery, convenient
carrying strap and instructions. Size:
8½x2½x1½".
21 B 111 S. Shpg. wt. 4½ lbs. **19.95**
23 B 464. Extra 9-V Battery. . . Ea. 35¢

Extra Crystals. Specify channel, re-
ceive or transmit and Model No.
21 B 1200 C. Shpg. wt. 3 oz. . . . Ea. 2.49



Realistic® high-powered solid-state Walkie-Talkies provide dependable longer-range communications for everyone



3-watt 3-channel solid-state Walkie-Talkie with AGC

- Adjustable squelch
- RF amplifier stage
- Noise limiter
- Battery/RF meter

Model TRC-99C. A hand-held power designed and engineered for top performance and reliability. Boasts 3-watt power for dependable communications every time. 3-channel capability in versatility as well as reliability. Feature active ground chassis for operation in autos. RF amplifier stage delivers high to bring in more stations and effectively increase receiving range. Adjustable squelch control quiets receiver when signal is present. AGC circuit prevents blasting.

Built-in noise limiter virtually eliminates annoying static and ignition noises that interfere with reception. Push-pull stage delivers pure, crisp and clear reproduction. Battery/RF indicating meter lets you know exactly when to recharge exhausted batteries, as well as how much signal is getting into the antenna. Loaded telescopic antenna for maximum range. Complete with case, 10 "AA" batteries, Channel 11 crystals. Size, 9x2 1/4x2 1/4". Order optional battery pack and charger/AC supply below.

21 B 133 S. Shpg. wt. 5 1/4 lbs.

5-watt 6-channel solid-state model has FET's and IC

- FET front-end design
- 455 kHz filter
- Integrated IF circuit
- Battery/RF meter

Model TRC-100B. Here's a handful of that gets the message through even in the toughest conditions. The TRC-100B delivers the maximum power allotted by FCC. 6-channel versatility for optimum performance in a hand-held unit. Feature front-end for high gain and low noise. Integrated circuit IF stage and 4-pole mechanical filter virtually eliminates channel interference. AGC prevents fading; noise limiter circuit eliminates static and ignition noises. Pure audio for pure, clean sound. Battery indicator meter. Separate speaker and ceramic mike.

Center-loaded telescopic antenna provides an excellent match for higher power, maximum range. Complete carrying case, 10 "AA" batteries, Channel 11 crystals. Size, 9x2 1/4x2 1/4". Order optional battery pack and 12-volt charger/AC supply below.

21 B 134 S. Shpg. wt. 5 1/4 lbs.

20 B 1501. 12-Volt Power Pack. A long-life 12-volt source for high power walkie-talkies. Strap, 8 "D" cells and plugs. 10 1/2x3 1/2x3". Wt. 4 lbs.

21 B 115. AC Supply/Charger. Charges 9 and 12-volt battery metered. Charging rate: 40 mA. 5 1/4x4x2 1/4". Shpg. wt. 6 lbs.

Realistic 1-watt Walkie-Talkies offer versatility, economy and reliability

VOX Actuated Circuitry

Now you can operate a portable walkie-talkie without having to press-to-talk or release-to-listen. VOX relay circuit and custom designed dynamic headset and boom microphone let you talk and listen as if you were in face-to-face communication. Totally hands-free operation, or use as regular push-to-talk walkie-talkie when desired. Plug-in dynamic headset and boom microphone included.



1-watt Walkie-Talkie with VOX feature

- VOX relay
- 3 channels
- IC's & FET's
- Case & strap

TRC-28. Designed and engineered for top performance. VOX circuit permits hands-free operation. dynamic headset and microphone supplied. May be used continually with push-to-talk button. 1-watt input power gets the message through every time. 3-channel operation provides added flexibility.

Advanced IC/FET circuitry. Mechanical filter eliminates channel interference. Built-in suppresses static and ignition. Channel selector, volume adjustable squelch. Noise-canceling microphone. External jacks for microphone, antenna and headphones. Battery/RF indicating lets you know when to replace batteries, as well as exactly how much power is radiated into the air. Center loaded telescopic antenna. Supplied complete with carrying case and Channel 11 crystals, 9x2 1/4x2 1/4". Optional battery and AC Supply/Charger listed at

Sh. Shpg. wt. 6 lbs. **95.00**

Economy 1-watt "Rover" Walkie-Talkie

29⁹⁵

- 1-watt input
- RF amplifier
- Long range
- Carry case

Model TRC-35. The "Rover" is a no nonsense, no frills 1-watt walkie-talkie for people who want real power at a low price. Just the thing for sportsmen, yachtsmen, or any one who needs an economically-priced 1-watt unit. Features RF amplifier circuit for greater range and more stations. Volume control and push-to-talk button.

Slim design with rugged die-cast front. Single channel operation. 59" telescoping chrome antenna for exceptionally clear 2-way communications. Comes complete with 8 "AA" cells, plug-in Channel 11 crystals, leather carrying case, detailed instructions. 7 1/4x3 1/4x1 1/4". Order optional battery pack and AC supply/charger below.

21 B 112 S. Shpg. wt. 5 1/2 lbs. **29.95**

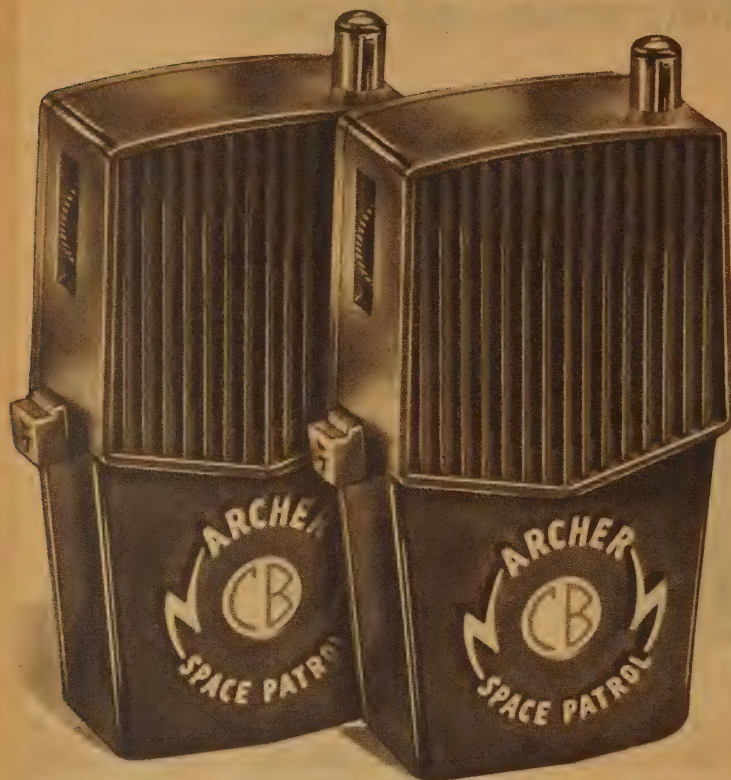
21 B 1501. 12-Volt Power Pack. Portable 12 VDC source. With strap, 8 "D" cells, cable, plugs. 10 1/4x3 1/4x3". Shpg. wt. 4 lbs. **7.95**

21 B 115. AC Supply/Charger. Powers walkie-talkies from AC. Charges 9 and 12-volt battery packs at 40 mA/hr. Metered. 5 1/4x4x2 1/4". 6 lbs. **21.95**



license needed for Walkie-Talkies over 100-mW input—no exam

Archer® 100-mW Walkie-Talkies for fun-filled hours



Standard Space Patrol

6⁹⁵
Each

- ¼-mile range
- Lightweight
- 43" antenna

Space Patrol. Here's a walkie-talkie that one will enjoy. Great for campers, fish hunters, sportsmen, or just plain fun. No age limit, no FCC license required. The desire to talk to someone you can hear. Compact, lightweight 100-mW walkie-talkie operates on CB Channel 14. Stable, controlled transmitter section; sensitive regenerative receiver section. Unique "on" talk switch provides continual push-to-talk button for extended mission periods. Extra-long 43" telescopic antenna assures increased transmitting ranges.

Effective talk power up to ¼-mile between units. Attractive, sturdy custom made grey plastic case with silver embossed plaque and bright red push-to-talk button. Walkie-talkies come complete with batteries and transmit crystal for CB Channel 14. To-use, nothing else to buy. Order at low cost efficient 2-way communication. Size, 5x2½x1¾".

60 B 3030. Shpg. wt. 2 lbs. Each
Buy a pair and **SAVE**..... Pair

Archer micro-size 100-mW Walkie-Talkies



Micro-size

Space Patrols go where you go

15⁹⁵
Pair

- Shirt-pocket size
- Telescopic antenna
- Crystal controlled

Micro Space Patrol. Small enough to fit in the palm of your hand, or slip into your pocket, yet powerful enough for dependable short-range communications. Easy-to-operate with a "push-to-talk" button. Ideal for campers, hunters, sportsmen, etc. Can be carried virtually anywhere. Rugged high quality case; handsome styling with custom chrome finish. Two transformers provide "talk-power" more than other conventional units.

Sensitive super-regenerative receiver with 100-mW input transmitter sections provide a wide range for unlicensed communication present FCC regulations. 9-section telescopic antenna assures both efficient RF energy as well as extremely high receiver optimum performance under adverse conditions. Crystal controlled transmitter section operates on CB Channel 14. Walkie-talkies come complete with batteries, Channel 14 crystal. Ready to use, nothing else to buy. Absolutely no age limit, no license required for use. Take advantage of exciting low price and order a pair today. Size, 3½x2½x1¾".

60 B 3032. Shpg. wt. 2 lbs. Pair

Space Patrol® 4-way CB Radio Base Station

100-mW power
license
radio

ER

95



Space Patrol Base. Get on the air with this 100-mW base station designed for use with walkie-talkies, this superb unit provides hours of fun. Makes an excellent "wireless" intercom system as well. Ideal for learning Morse Code. You can easily practice sending and receiving with the built-in key. Exclusive 4-way feature lets you transmit and receive messages in either voice or code on CB Channel 14, listen to other CB stations on all 23 Channels, or local AM broadcasts. Absolutely no license needed. Input transmitter section provides maximum power

allotted by the FCC for unlicensed communications. Built-in CW key for code operation; push-to-talk plug-in microphone. Other features include microphone jack, earphone jack, and AC adapter jack. Telescoping antenna assures high gain on both transmit and receive functions. Complete with crystal for Ch. 14, microphone, earphone. Size, 7 $\frac{3}{4}$ "x13 $\frac{1}{2}$ "x6 $\frac{1}{2}$ ". Order six batteries and AC adapter unit below.

60 B 3028. Shpg. wt. 5 lbs. 27.95
23 B 466. "D" Cells. Shpg. wt. 6 oz. Each 19.95
12 B 702. AC Adapter. Shpg. wt. 1 lb. 4.95

New Senior Space Patrol Walkie-Talkies with code key

Announcing the complete
feature-packed Walkie-Talkie for 1971

895 Each

- 100-mW input power
- 34" telescoping antenna
- Compact, lightweight

Space Patrol. Completely new for 1971, these walkie-talkies offer more features than units selling for up to twice the price. Great fun for kids. Practice sending and receiving Morse code messages with in CW key feature, or communicate by voice with AM section. Built-in code key and International Morse character chart mounted on front panel of unit. Variable control allows you to adjust volume level to suit your taste, or to compensate for external conditions.

"lock-on" push-to-talk button lets you transmit continuously over extended periods without exerting any pressure upon the button itself. 100-mW input transmitter offers maximum power allowed by the FCC for unlicensed communications, assuring you the longest possible range between units. Sensitive receiver section for long range reception; too. 34" telescoping antenna provides highest gain on both transmit and receive sections. Units can be used up to 10 miles or more away, depending upon terrain. Absolutely no license required for operation.

Stylishly styled high-impact case features special adapter for easy and convenient attachment to your belt, clothing, etc. Walkie-talkies come complete with batteries, CB Channel 14. Ready-to-use; nothing else to buy. Size, 2 $\frac{1}{2}$ "x6 $\frac{1}{2}$ "x1 $\frac{1}{4}$ ".
1. Shpg. wt. 1 $\frac{1}{2}$ lbs. Each 8.95
Pair and SAVE. Pair 16.95

ARCHER



Get your Walkie-Talkie with no money down . . . see page 331

NEW! Linear Amplifiers for business band and Ham radio



Hy-Gain Bi-linear Amplifier
increased communications

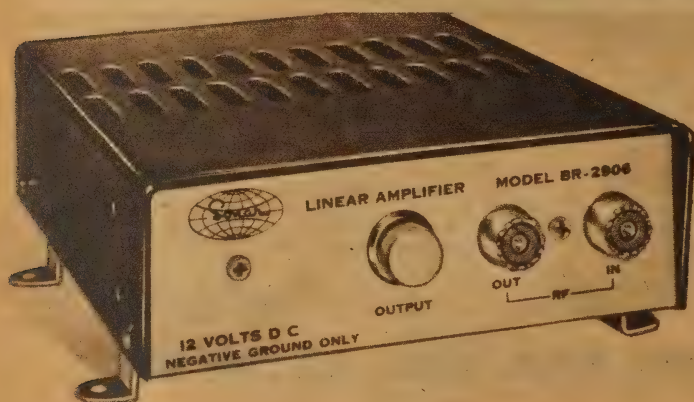
Low
as **129⁹⁹**

Boosts output power up to 220 watts PEP—built-in receiver preamp for improved reception

Model 419 "Afterburner Plus". Delivers 220 watts PEP output with 1-15 watts RF drive power to effectively increase your communications range. Has a built-in receiver preamplifier to provide a 20 dB gain in reception. Covers the 25-50 MHz business band, or 28 MHz Amateur 10-meter band. For FM-AM and SSB-DSB-CW. Has a built-in tuning meter for peak

performance. Size, 1 $\frac{1}{4}$ x7 $\frac{3}{4}$ x3". For 12 VDC mobile use. 21 B 6041 U. Shpg. wt. 9 lbs.

Hy-Gain Model 420 Base Station Bi-linear Amplifier. As but for 117 VAC operation. 21 B 6035 U. Shpg. wt. 12 lbs.



Sonar mobile Power Amplifier
business band two-way radio

Model BR-2906. Compact linear amp designed primarily for use with business band two-way mobile radio equipment, but can be used with transceivers operating on 10-meter (28 MHz) Amateur band. Provides 170 watts of input power with only 1-15 watts drive power.

Substantially increases the effective range of mobile business band transmitters for improved communications capability. Operates in AM and SSB modes. Tube and transistor design includes automatic transmit/receive switching.

Supplied complete with remote power indicator control and mounting bracket and output impedance, 50 ohms. Durable construction, 4 $\frac{1}{2}$ x8 $\frac{1}{2}$ x10 $\frac{1}{4}$ ". Operates on 12 VDC, negative ground. FCC type accepted. 21 B 6021 U. Shpg. wt. 12 lbs.

Puts more power into your signal for increased transmitting range . . FCC type accepted

129⁹⁹



109⁰⁰ Courier Linear Amplifier for mobile business band radio

Model ML-100. Mobile linear amplifier operates on 25-50 MHz in AM, FM, SSB and DSB modes. Provides up to 100 watts input, up to 60 watts output (200 watts PEP) with from 1-15 watts drive power. Neon tuning indicator. Automatic transmit/receive switching. Tube and transistor circuit draws less than 2 amps in receive. With cable, mounting bracket. 2 $\frac{1}{2}$ x6 $\frac{1}{2}$ x8 $\frac{1}{2}$ ". 12 VDC. 21 B 6025 X. Shpg. wt. 7 lbs.

109.00



Courier base station Linear Amplifier for business band two-way radio installation

Model BL-100. Base station linear amplifier boosts 100 band base station power to 100 watts (200 watts PEP) 25-54 MHz FM, AM, SSB or DSB. 1-15 watt drive input up easily with built-in tuning meter. Automatic transmit/receive switching. Tube and transistor circuit draws less than 2 amps on stand by. Can also be used on 10-meter Ham band. 5x7 $\frac{1}{2}$ x7 $\frac{1}{4}$ ". AC. 21 B 6050 X. Shpg. wt. 10 lbs.

Up to
watts
on A

12

Realistic® world-spanning Amateur/SWL Receivers

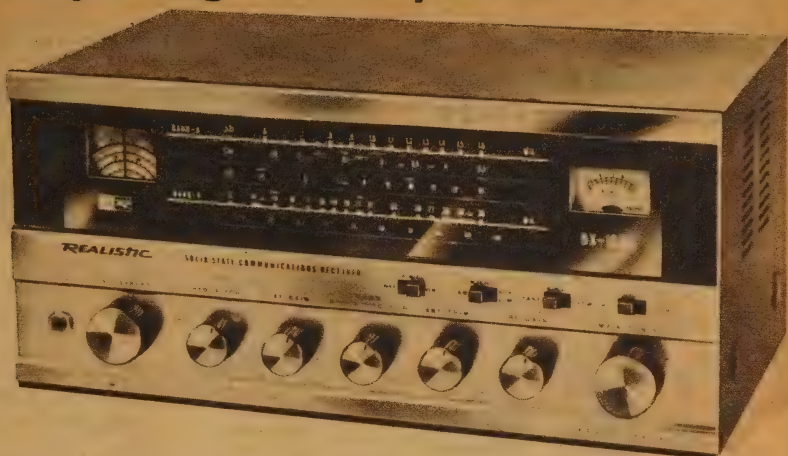
NEW! Professional-quality with FET's and mechanical filter for sharp-notch reception of AM and shortwave bands

119⁹⁵

Frequency Range: 535 kHz to 30 MHz
Slide-rule dial
Separate logging scale
160-10 meter bandspread
Variable-pitch BFO

SPECIFICATIONS

Frequency Range: 535 kHz to 30 MHz
Sensitivity: 0.5 μ V at 30 MHz
Product Detector: SSB/CW operation. **Beat Frequency Oscillator:** Variable pitch. **Noise Filter:** In both IF and audio stages. **Automatic Volume Control:** Fast or slow. **Electrical Bandspread:** From 160-10 meters. **Power Supply:** Zener diode. **S-meter:** Illuminated. **Speaker:** 4" in.



Model DX-150A. Our improved, professional-quality DX-150A gives you many deluxe features not expected at this moderate price! Offers everything needed for outstanding reception of all Ham bands from 160 to 10 meters, exciting international shortwave stations, standard AM broadcast band, and much more. Provides continuous coverage of all frequencies from 535 kHz to 30 MHz.

You choose your listening from AM, SSB, and CW modes. The 100% solid-state circuit requires no warmup time . . . has four FET's in front-end for extra sensitivity, mechanical filter for super-selectivity, plus other features for top performance and long life.

Has an excellent sensitivity of 0.5 μ V at 30 MHz . . . pulls in stations from all over the world. Electrical bandspread on 160 to 10 meter Ham and Citizens Bands. An array of 11 front-panel controls assures smoothest operation. Fast and slow AVC and noise limiting in IF and audio stages prevent strong-signal overload and annoying noise interference. S-meter; built-in AC supply, provision for operation on 12 VDC. 14 1/4" x 9 1/4" x 6 1/4".

20 B 150 U. Shpg. wt. 15 lbs. **119.95**
20 B 1501 X. 12 VDC Power Supply. Shpg. wt. 4 lbs. **7.95**
20 B 1500 X. Matching External Speaker. Shpg. wt. 4 lbs. **7.95**

Solid-state circuit with transformerless output for excellent audio reproduction as well as top overall performance

69⁹⁵

Sensitive FET front-end
Frequency Range: 535 kHz to 30 MHz
Four overlapping bands
160-10 meter Ham bands
Electrical bandspread



SPECIFICATIONS

Frequency Range: 535 kHz to 30 MHz
IF: 455 kHz. **Beat Frequency Oscillator:** Variable pitch. **Product Detector:** SSB/CW operation. **Automatic Volume Control:** Yes. **Electrical Bandspread:** 160-10 meters. **S-meter:** Yes. **Speaker:** 4" in 3x5". **Power:** Regulated 117-VAC/12 VDC.

Model DX-120 "Star Patrol." Great performance at a low, low price! Tunes 535 kHz to 30 MHz continuously with four color-coded overlapping bands. Receives 160 to 10 meter Ham and CB bands, international and domestic shortwave, standard AM, and more. AM, SSB, and CW modes. Variable-pitch BFO for receiving CW signals. Has solid-state circuit with every necessary feature for excellent reception . . . no warmup required, starts receiving the moment it is turned on . . . transformerless audio output circuit for good, solid reproduction. Large illuminated slide-rule dial with 0-100 logging scale for accurate tuning and retuning of stations. Field-effect transistors (FET's) in front-end give you the sensitivity needed for receiving stations from all over the world. Electrical bandspread on 160-10 meter Ham and CB bands for easy tuning of crowded stations. AVC prevents strong-signal overload; S-meter. Regulated 117-VAC/12-VDC power supplies. 12 1/2" x 5 3/4" x 7 3/4".

20 B 120 U. Shpg. wt. 10 lbs. **69.95**
20 B 1501 X. 12 VDC Power Pack. Shpg. wt. 4 lbs. **7.95**
20 B 1500 X. Matching External Speaker. Shpg. wt. 4 lbs. **7.95**

page 331 for full Credit details . . Buy with no money down

Introducing two all-new Allied multiband Receiver

Eight-band Receiver tunes 4 SW bands, longwave, police/public service/weather, plus FM-AM

119⁹⁵

no money down*



129⁹⁰ Receiver Outfit at \$10.00 savings

Separately, \$139.90. Save \$10.00 on this sensitive receiving station. Contains everything needed for outstanding reception of shortwave, longwave, police/public service and standard FM-AM broadcasts. Outfit consists of Allied A-2508 8-band solid-state Receiver, deluxe Headphones, Shortwave Antenna and Sam's ABC's of Shortwave Listening. 34 B 5603 L4U. Wt. 14½ lbs. 129.90

Five-band Shortwave Receiver covers 4 international SW bands plus standard AM

79⁹⁵

no money down*



\$9.44

89⁹⁵ Package savings on Receiver Outfit

Separately, \$99.39. Save when you order this complete receiver outfit. These perfectly matched components are designed to deliver stable, clear reception of shortwave and standard broadcasts. Outfit includes Allied A-2509 5-band Receiver, deluxe Headphones, Shortwave Antenna, Sams' ABC's of Shortwave Listening. 34 B 5604 L2U. Wt. 12½ lbs. 89.95



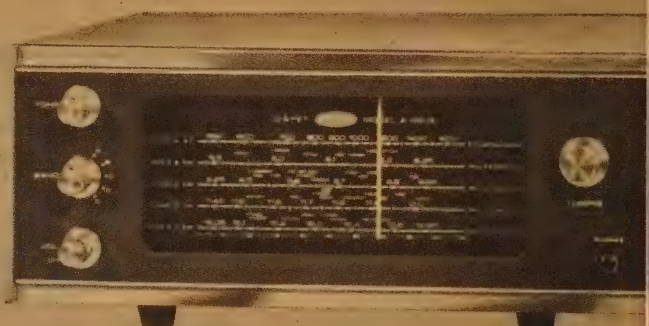
Black-out tuning dial

Features like regulated AC/DC power supplies, 3 separate front ends, IC and ceramic filter assure top performance

Model A-2508. We've put many "expensive" features into this solid-state receiver to assure fine reception of shortwave, police, and other bands standard FM and AM; 150-400 kHz longwave for aircraft beacons and four SW bands—5.9-6.25, 9.45-9.85, 11.45-12, 15.05-15.55 MHz; police service, weather on 152-176 MHz. The four SW bands spread full dial easy to tune these crowded bands. Separate front ends for AM-SW-LW and FM, VHF-FM. Integrated circuit and ceramic filter in IF stage for selectivity. MOSFET in AM-SW-LW front-end for high sensitivity to pull weak signals.

Large illuminated slide-rule dial "blacks-out" when receiver is tuned. Lighted tuning meter. Push-pull audio output stage and 4" speaker for quality sound. Two band switches. Tone and volume controls. Regulated AC and DC power supplies. Transformer operated AC power supply. Built-in loopstick antenna for AM. Terminals for external SW antenna and FM broadcast and Police/Public Service antenna. Handsome black metal cabinet. 4½" AC/12 VDC, negative ground.

20 B 5508 U. Shpg. wt. 10½ lbs.



You won't find a better buy than this in a low-priced shortwave receiver . . has MOSFET front-end, IC and powerful push-pull output stage for best reception

Model A-2509. Turn your living room into a world listening post with this 5-band solid-state receiver. Covers standard AM broadcast band and four international shortwave bands—5.9-6.25, 9.45-9.85, 11.45-12 and 15.05-15.55 MHz. Each shortwave band is spread full dial width for easy station selection. MOSFET front-end for increased sensitivity—receiver really pulls in those weak signals. Integrated circuit and ceramic filter in IF stage help tune out unwanted stations, decreasing interference.

Illuminated slide-rule dial, signal strength meter, band switch, tone and volume controls make tuning easy. Low-distortion push-pull audio output stage. Good sound from built-in 4" speaker. Transformer-operated AC power supply. Zener-diode regulated AC and DC power supplies. Built-in ferrite antenna for AM; terminals for external AM and 50-75 ohm SW antennas. Front panel for headphones or external speaker. Black metal case with silver and gray front panel. 4½"x12x8¾". AC/12 VDC negative ground.

20 B 5509 U. Shpg. wt. 8½ lbs.

Allied's own 5-band Amateur/Shortwave Receiver

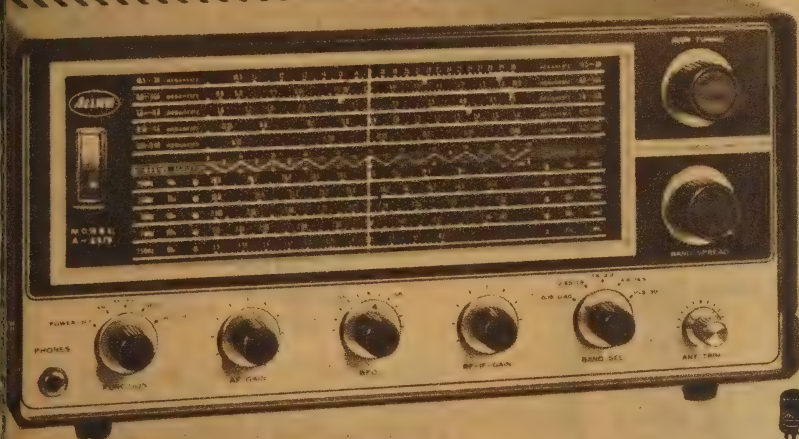
The best buy in a general coverage AM-CW-SSB Receiver . . . features MOSFET front-end, mechanical filters, AC and DC power supplies, calibrated bandspread for 80-10 meters

Tunes longwave and shortwave plus Amateur bands and standard AM

99⁹⁵
less speaker

no money down*

All solid-state circuit for superior reception and instant operation



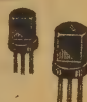
A-2515A. A best buy for the Amateur as well as the serious shortwave listener. General coverage receiver tunes longwave and worldwide shortwave on four big plus standard AM broadcasts. Covers aircraft and marine broadcasts on 150-400 kHz. 1.6-4.8 MHz, international shortwave and Hams on 1.6-30 MHz. Calibrated bandspread for 80 to 10 meter Amateur bands. Tunes AM, CW and SSB. Has two space MOSFETs in RF stage for high sensitivity without overloading on strong signals. Mechanical filters provide superior selectivity for good station separation. Has muting connections. Dual power supplies make this receiver ideal for emergency, field and field-day uses. Noise limiter and automatic volume control reduce noise and fading. Built-in variable BFO and Product Detector gives good reception of single-sideband signals. Illuminated S-meter for ease of visual tuning. Push-pull output stage with thermistor to cut distortion. Handsome gray metal cabinet has silver panel. Overall dimensions, 7 $\frac{1}{2}$ "x15"x10". Vinyl cover. For AC or 12 VDC, ground. Optional speaker, headphones, antenna below.

5 U. Shpg. wt. 20 lbs. **99.95**

SPECIFICATIONS

Band A, 150 to 400 kHz; Band B, 400 to 600 kHz; Band C, 1.6 to 4.8 MHz; Band D, 4.8 to 14.5 MHz; Band E, 10.5 to 30 MHz. Sensitivity: 2 μ V for 10 dB S/N, on standard AM broadcast band. Selectivity: 1.8 kHz bandwidth at 6-dB down. Rejection: 40 dB. Intermediate Frequency: 455 kHz. Audio Power Output: 1.3 watts. Power Requirements: 117 VAC or 12 VDC (negative ground). Power Consumption: 10 watts. Semiconductors: 10 transistors, 12 diodes, and zener diode.

Signal-to-Noise Ratio: 30-dB down. IF Rejection: 40 dB. Intermediate Frequency: 455 kHz. Audio Power Output: 1.3 watts. Power Requirements: 117 VAC or 12 VDC (negative ground). Power Consumption: 10 watts. Semiconductors: 10 transistors, 12 diodes, and zener diode.



Two MOSFET's assure high sensitivity—a first in a model priced this low



Two mechanical filters for best selectivity and proper bandpass



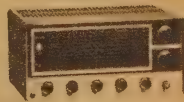
Power supplies for both home and in-car operation



Speaker and Accessories

Matching Speaker. This 3.5" permanent magnet design speaker delivers extra clear sound. Specially-designed for communications use. Sturdy steel case. Arriving vinyl feet protect surfaces. Impedance, 8 ohms. Compact cabinet measures 7 $\frac{1}{2}$ "x3 $\frac{1}{2}$ "x5 $\frac{1}{2}$ ".

5 X. Shpg. wt. 3 lbs. **9.95**



Save \$6.89 on Outfit . . . everything you need for a complete listening post

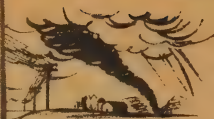
119⁹⁵

Deluxe Dual Headphones. Lightweight. Adaptor earpieces. Headband is vinyl-covered. 8 ohms. Plug. Shpg. wt. 1 lb. **6.95**
Shortwave Antenna Kit. For long-distance use. Easy-to-assemble. Dipole design is 75-ft. long. 1-ft. lead-in. Shpg. wt. 3 lbs. **3.95**
Deluxe Shortwave Antenna. For 1.8-30 MHz. Shpg. wt. 2 $\frac{1}{2}$ lbs. **9.99**

Separately, \$126.84. Here's a sensitive receiving station for international and domestic listening. Antenna system included builds up signal strength to help the sensitive receiver superbly capture the weak signals. Outfit includes Allied A-2515A solid-state 5-band Amateur/SWL Receiver; vinyl cover (not shown); matching speaker; deluxe dual headphones; quality shortwave antenna. All components are specially selected to deliver ultra-stable, clear reception of longwave, shortwave, and standard broadcasts.

34 B 5602 L4U. Shpg. wt. 27 lbs. **119.95**

Be ready for action with a VHF-FM Monitor



Check with local authorities for frequencies used in your area, then choose a monitor that tunes the band you need. **30-50 MHz:** police, fire, radio-dispatched vehicles, civil defense, etc. **108-140 MHz:** planes in flight, airports, aviation ground stations. **152-174 MHz:** Similar to 30-50 MHz, plus continuous weather data in about 25 urban areas (check with your local Weather Bureau). **450-470 MHz:** Similar to 30-50 MHz. **Note:** The nearer you are to a city, major highway or airport, the more calls you will hear. Calls are brief, lasting only a few seconds with elapsed time between them varying from several seconds to several minutes, or longer. A roof antenna helps get more calls.



Allied® Monitors for 27-50 MHz and 146-175 MHz
... use with batteries or on AC with optional adapter

19⁹⁵ Each **Get it on Credit***

- Pocket-size . . carry it anywhere
- Modern solid-state superhet circuit
- Earphone jack for private listening

Model A-2587 for 146-175 MHz. There's a lot going on you know about unless you tune in on the emergency, ESSA and other very exciting broadcasts this fine monitor is designed for receiving. Pocket-size receiver offers big performance, operates on batteries so you can take it with you everywhere, or it can be used on regular AC with accessory adapter below. Advanced solid-state design is so efficient you can buy it at a low, low price!

Has built-in 2 1/2" speaker for good sound reproduction. Frequency-seeking swivel telescoping antenna can be adjusted for best reception. Jack for connecting an external antenna. Automatically disconnects built-in antenna when plug is inserted. Earphone jack for private listening shuts off built-in speaker when earphone is connected. Size, only 6x3 1/2 x 1 1/2". Comes complete with four "AA" penlight batteries, carrying strap, and earphone. Order extra batteries and 117 VAC adapter below.

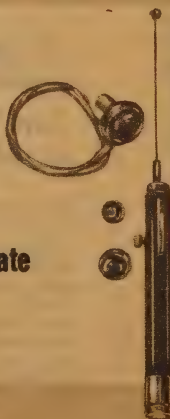
20 B 5587 S. Shpg. wt. 1 lb.
Model A-2586. Same as above, but covers 27-50 MHz.
20 B 5586 S. Shpg. wt. 1 lb.

ACCESSORIES

20 B 5083. 117 VAC Adapter. Shpg. wt. 2 lbs.
23 B 478. Extra "AA" Batteries. Shpg. wt. 8 oz. **Pkg.**



"Sky Spy" 108-132 MHz solid-state Aircraft Monitor Receiver

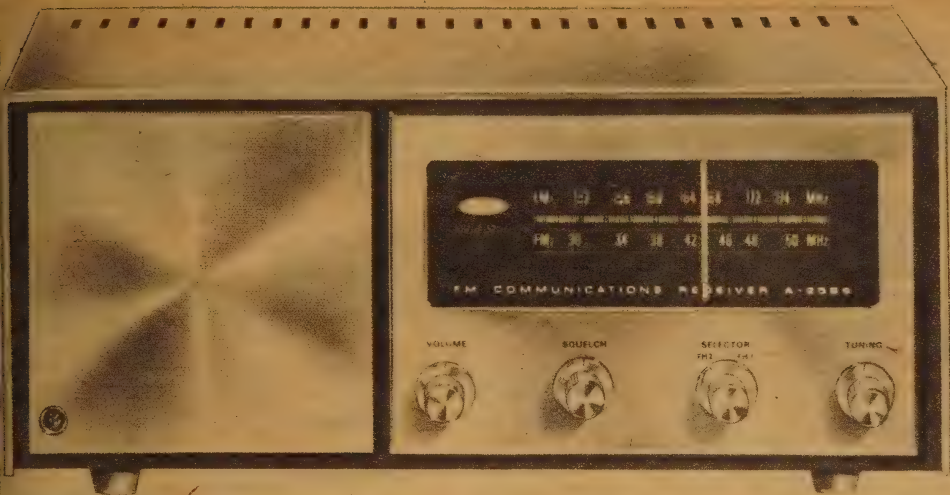


14⁹⁹ • Detachable antenna
• Battery operated
• Sensitive circuit

Saxton A-982. Pen-size monitor "tunes" you in to the sky. Lets you hear airplanes within a radius of 75 miles or listen to airport broadcasts 15 miles away. Modern solid-state circuit designed for top performance and trouble-free, long service. Small but powerful antenna easily broken down in stations . . . detaches for carrying. Has a scope-type earphone for easy listening. Excellent sensitivity for clear, loud signal. Size, 9 1/2" x 3/4" diameter. With two 1 1/2-volt hearing aid batteries.

20 B 6906 S. Shpg. wt. 8 oz.

Allied® dual-band "long-range" VHF-FM Monitor Receiver



ent station pulling power, good
ion of even the weaker signals...
performance solid-state circuit

79⁹⁵ no
money
down*

A-2589. Here's a beautifully designed table model that brings in dramatic
ncy broadcasts and other exciting messages. Covers both 30-50 MHz and
MHz police/public service bands. Handsomely styled in a modern-trim
etal case, it looks, as well as performs, like the quality receiver it is. Has
easy-to-read slide-rule dial for precise tuning and logging of stations. Its
filled solid-state circuit offers instant operation and clear static-free re-
even of weak signals.

RF and mixer stages and four IF stages provide greater sensitivity to
and the ability to pull them in and discriminate between them for best
reception. Powerful push-pull audio amplifier drives a large built-in 4"
to give you clear, enjoyable reproduction. Automatic volume control
s overload and blasting by strong stations and builds up the weak ones for
constant output. Adjustable squelch eliminates background noise for
andby operation.

ed power supply contributes to the high overall stability. Panel jack for
8-ohm speaker or headphones. Size, 5¹/₂"x11¹/₂"x7¹/₂". Order antenna on
9 for best long-range reception.

9 U. Shpg. wt. 11 lbs. **79.95**
6. Dual Headset with Cord and Plug. Shpg. wt. 1 lb. **7.95**

SPECIFICATIONS

Range: 30-50 MHz and 152-174 MHz. Sensitivity: Better than 4 μ V for 20-dB
10:7 MHz. Power Supply: Full-wave, transformer-operated; zener diode
on; 117 volts AC, 50-60 Hz.

**Tunes both 30-50 MHz
and 152-174 MHz for
dramatic police, fire
and emergency calls**

30-50 MHz Band

Police, fire, civil defense, other emer-
gency services, utilities, radio-tele-
phone service, radio-dispatched re-
pair vehicles, radio paging service,
industrial highway maintenance.

152-174 MHz Band

Police, fire, civil defense, other emer-
gency services, United States Weather
Bureau forecasts, railroads, taxicabs,
forestry and conservation, highway
trucks, private mobile radio telephone.

NOTE

Frequencies used differ in various parts of
the country. Check with local authorities
for the specific frequencies used by the
various services in your own region.

NEW! Solid-state battery/AC VHF Monitors

channel Monitors with
Automatic scanning system

Low
as **139⁹⁵**

Extra. Two models cover 150-174 MHz and 450-470 MHz.
Automatic and manual channel selection. In/out switches
each channel, adjustable squelch, telescoping antenna,
for auto or external antenna. Metal case, 4x9x6".
Ch cables for AC or 12 VDC negative ground, mobile
mounting bracket. Crystal card below.

6013 U. Model BCH. 150-174 MHz. 5 lbs. **139.95**
6012 U. Model BCU. 450-470 MHz. 5 lbs. **149.95**

Crystal Certificate Card. For each frequency desired, Allied
Shack mails you a card to fill out and return to our
tial center, which will then ship the crystal to you.

002.....1-5.....Each 6.95 6-Up.....Each 5.95



page 331 for full Credit details . . buy with low monthly payments

Tune in to exciting VHF listening



Patrolman PRO-2 solid-state dual-band VHF Monitor Receiver

99⁹⁵

- 30-50 and 152-174 MHz
- Precise manual tuning or crystal control
- 117 VAC or 12 VDC power

Made for thrilling listening! You can hear police calls, weather reports, fire and civil defense broadcasts, navigation warnings, and much more—on two exciting VHF bands. Dual power supply—operates from 117 VAC at home, or 12-volt car battery on the road. Tunes manually on each band, or crystal-controlled on a single frequency. Separate tuning knobs and front ends for 152-174 and 30-50 MHz bands—no need to detune one to tune the other.

Superhet circuit has tuned RF and mixer stages for superb reception, OTL audio with built-in speaker, front panel jack for 8-ohm headphone/external speaker. Features include: illuminated slide-rule dial; adjustable squelch control to cut noise; AM/FM switch. Band selector, volume control/power switch, crystal-manual switch. Attractive cabinet has brushed aluminum front panel. 12 1/4"x9x3 1/4". Comes complete with car mounting bracket and instructions—just add an antenna (order from page 217) for great listening.

20 B 160 U. Shpg. wt. 13 lbs. 99.95
 20 B 002 CF. Crystals. Specify freq. Allow 3-4 weeks. 1-5..Ea. 6.95 6-Up..Ea. 5.95



Patrolman PRO-1 single-band Monitor Receivers

79⁹⁵

- Powered by 117 VAC or 12 VDC
- Illuminated slide-rule dial
- Provision for crystal control
- Includes car mounting bracket

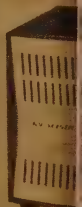
Two great single-band VHF monitor receivers with the same features and appearance as the PRO-2 dual-band model above. Superhet circuit with tuned RF and mixer stages, built-in speaker with OTL output, adjustable squelch control, and instructions. Size, 12 1/4"x9x3 1/4". With mounting bracket and instructions.

20 B 175 U. PRO-1 High Band (152-174 MHz). Shpg. wt. 12 lbs.
 20 B 130 U. PRO-1 Low Band (30-50 MHz). Shpg. wt. 12 lbs.
 20 B 002 CF. Crystals. Specify freq. Allow 3-4 weeks 1-5..Ea. 6.95 6-Up..Ea. 5.95

Patrolman monitor radio Accessories for enjoyable listening

12-VDC Power Pack. Portable power supply includes 8 "D" batteries and 8 spare battery holders. Permits use of Patrolman VHF monitor radios anywhere. Includes cord for car cigarette lighter operation. 10 1/4"x3 1/2"x3". Shpg. wt. 4 lbs.
 20 B 1501 X. 7.95

External Speaker. Provides excellent sound when used with PRO-1, PRO-2 or PRO-3 VHF monitor receiver. Voice selective. Impedance, 8 ohms. Rated 5 watts. Comes complete with cord and 1/4" phone plug. 5 1/4"x7x3 1/2". Shpg. wt. 4 lbs.
 20 B 1500 X. 7.95



h a Realistic® VHF Monitor Receiver



Patrolman PRO-3 Lo-VHF/Hi-VHF/UHF Monitor Receiver with dual power supply

98⁵⁰

- Tunes 30-50 MHz and 152-174 MHz VHF—plus 450-470 MHz UHF
- Eight-section crystal filter
- 117 VAC or 12 VDC power

Professional quality monitor receiver tunes both VHF bands plus UHF—wide metropolitan use. Field tested in Boston, Chicago, Detroit and New York. Gives you all the professional advantages in monitoring emergency coverage. For optimum performance, this custom-aligned receiver gets a 7 to 8 hour burn-in when manufactured! All solid state circuit with high quality components for reliable operation. Features one front end tuner for 152-174 MHz (VHF high band); separate tuner for 30-50 MHz (VHF low band) and 450-470 MHz (UHF band). Provision for two antenna inputs—you can tune two frequencies with the same switch, ensuring best reception of each.

Dual power supply—operates from 117 volts AC at home, or 12-volt car battery on the go. Sophisticated eight-section crystal filter gives clean, distinct reception without interference between adjacent channels. Provides razorsharp 5 kHz channels that's especially useful in large cities with several close channels. Regular 15 kHz permits easy monitoring of wide-band FM transmissions. Professional features include: integrated IF circuits; built-in monitor speaker, plus provision for external speaker or 8-ohm headphones with panel jack; audio frequency filter for clarity; color-coded slide rule scales for easy, precise tuning; automatic squelch circuit; squelch control to reduce noise; tuned RF stage for optimum reception; OTL audio circuit.

Power supply: 1/2 μ V for 10 dB S+N/N on 30-50 and 152-174 MHz bands; 1 μ V for 10 dB S+N/N on 450-470 MHz UHF band. IF Frequency: 10.7 MHz. Audio Output: 2 watts 16 ohm load. Handsome cabinet has extruded aluminum front-panel. Size, 10 1/2" x 10 1/2" x 3 1/2". Complete with mobile mounting bracket. Shpg. wt. 16 lbs. **198.50**



Police



Fire



Weather



Business

Patrolman Monitor Radio Accessories



8-OHM HEADPHONES. Lightweight, cushioned-for-comfort deluxe headset for Realistic "Pro" and "DX" series receivers. Adjustable headband. Includes 1/4" plug. Shpg. wt. 1 lb. 279 B 200. **5.95**

INDOOR VHF ANTENNA. For PRO-2. Center loaded. 16" collapsed, 40" extended. Chrome. Plug-in. 3 lbs. 20 B 161 X. **6.95**

INDOOR UHF ANTENNA. For best UHF reception with PRO-3 monitor receiver. Omnidirectional design. Rugged construction with long lasting chrome finish. Shpg. wt. 2 1/2 lbs. 20 B 451 X. **6.95**



Page 331 for full Credit details . . low monthly payments

Hear drama and excitement with a Sonar VHF Monitor



Solid-state 6-channel mobile/base model

140⁰⁰ *Provision for plug-in crystals allows instant frequency change*

Model FR-105 for 150-175 MHz. Operates in any 12-volt vehicle or in base station on AC line . . . has built-in AC/12-VDC power supplies. You operate on up to six crystal-controlled channels with precise frequency control. Temperature-compensated for extra stability. Noise-free adjustable squelch circuit allows standby operation without background noise.

Dual limiters, Foster Seeley discriminator, and quadruple tuned RF stage provide top performance with an excellent 0.3 μ V sensitivity for 20-dB quieting, plus improved image rejection. Provision for continuous tone (squelch decoder) compatible with all major tone systems. Built-in 2x6" speaker. 2 $\frac{1}{2}$ x6 $\frac{1}{8}$ x8 $\frac{1}{2}$ ". With AC, DC power cables, mounting bracket. Order crystal card below.

20 B 6021 U. Shpg. wt. 5 lbs. **140.00**

Crystal Certificate Card. For each frequency desired, Allied Radio Shack mails you a card to fill out and return to our crystal center, which will then ship the crystal to you.

20 B 002. 1-5. Each 6.95 6-Up. Each 5.95



8-channel mobile/base Auto-Scanner

189⁹⁹ *Use in 12-volt vehicle or on AC line . . . has built-in supply*

Model FR-2515 for 150-175 MHz. Here is tops in convenience. Automatic-scanning receiver searches eight programmed channels and automatically locks on active channel. Can be locked on priority channel to the exclusion of all others. Channel-selection also. Ideal for police, fire, and many other departments, county, state, and Federal agencies, commercial, industrial, and others requiring a professional-quality mobile receiver.

Carrier-delay circuit lets operator hear mobile callbacks so no information is lost. All solid-state circuit has dual limiters and Foster Seeley discriminator; quadruple tuned RF stage for greater image rejection. Sensitivity, 0.3 μ V for 20-dB quieting. Temperature compensation for extra stability, adjustable for quiet standby operation.

Built-in heavy-duty speaker with moisture-resistant cone, output 1 $\frac{1}{2}$ watts. 2 $\frac{1}{2}$ x6 $\frac{1}{8}$ x8 $\frac{1}{2}$ ". With power cables, Requires crystals (order card at left).

20 B 6509 U. Shpg. wt. 5 lbs.



Solid-state 24-channel mobile/base model

169⁹⁹ *Temperature compensation for extra stability of all circuits*

Model FR-2513 for 150-175 MHz. Unique turret switch provides 24 crystal-controlled positions, stabilizing all frequencies for drift-free reception. Solid-state circuit with advanced engineering features provides rugged use over a wide temperature range. Police, fire, and municipal departments, county, state and Federal agencies, commercial and industrial users, and others will find this monitor ideally suited to applications requiring a highly professional unit.

Features dual limiters, Foster Seeley discriminator, and quadruple tuned RF stage. Sensitivity, 0.4 μ V for 20-dB quieting. Temperature compensation and noise-free squelch for stable, quiet operation. Built-in heavy-duty speaker with moisture-resistant cone, 1 $\frac{1}{2}$ -watt audio output for solid-reproduction.

Built-in AC/12-VDC power supplies for operation in vehicle or at base station. 2 $\frac{1}{2}$ x6 $\frac{1}{8}$ x8 $\frac{1}{2}$ ". With AC and DC power cables, mobile mounting bracket. Order crystal card above.

20 B 6510 U. Shpg. wt. 5 lbs. **169.99**

Solid-state pocket-size Monitors for 150-175 MHz or 25-50 MHz

49⁹⁹ Each

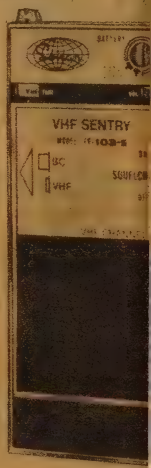
- Battery meter
- Telescoping Antenna
- Adjustable squelch

Model FR-103SA for 150-175 MHz. Professional-quality solid-state receiver operates on three crystal-controlled channels. Tunes in police, fire, civil defense, continuous weather reports, and transportation services, much more, plus standard AM. Fits inside your pocket, yet delivers solid, clear reception. Has volume and tone controls, telescoping antenna, easy-to-read battery condition meter. BC-VHF switch on side panel. With battery, earphone for private listening. Order crystal certificate card above (one for each frequency desired). Shpg. wt. 1 lb.

20 B 6903 S.

Model FR-106SA for 25-50 MHz. As above, but covers similar services on the 25-50 MHz. band.

20 B 6904 S.



HF Monitor Receivers and Antennas for monitors



Home auto-search Monitor

99 Triple-conversion superhet circuit

UHF-4460. Automatically scans four channels in a 10-MHz spread 450-470 MHz. Switch lets you choose channels to be scanned. Locks on channel—resumes search when becomes inactive. Switch controls scanning from 4 channels per second to 15 per-second. Manual selection of channels also. Triple-conversion circuit, 30 kHz at -6 dB; sensitivity 15 dB for 15-dB quieting; spurious rejection, 50 dB; adjacent-channel rejection, 60 dB. Built-in speaker. 2 1/2" x 4" car mounting bracket, AC/12 VDC power cables. Order crystal card page.

X. Shpg. wt. 4 1/2 lbs.179.99



Two-band auto-search Monitor

159.99 Variable squelch for noise-free standby

Petersen HL-44. Car/home monitor automatically scans four low-band channels and four high-band channels, locks on active channel, resumes search when channel becomes inactive. High band covers 152-162 MHz and low band covers 35-45 MHz. You control rate of automatic scanning from 2 channels-per-second to 12 per-second. Offers manual channel-selection also. Has built-in variable squelch circuit that allows adjustment of squelch sensitivity over a wide range for noise-free standby operation. Built-in speaker. 3x6x5". With power cables, mobile mounting bracket, AC/12 VDC. Order crystal card on facing page.

20 B 6001 X. Shpg. wt. 6 lbs.159.99



Manual-selection car/home Monitor

74.99 Covers 2-200 MHz with plug-in cards

Petersen RM2-4. AM/FM monitor uses optional frequency plug-in cards for 2-200 MHz coverage. Tunes Amateurs, short-wave, police, fire broadcasts and much more. Your choice of up to 4 channels. Includes certificate for one plug-in frequency card to be filled out and mailed to factory. Has built-in speaker, adjustable squelch. 3 1/2 x 5 1/2 x 7 1/2". AC/12 VDC.

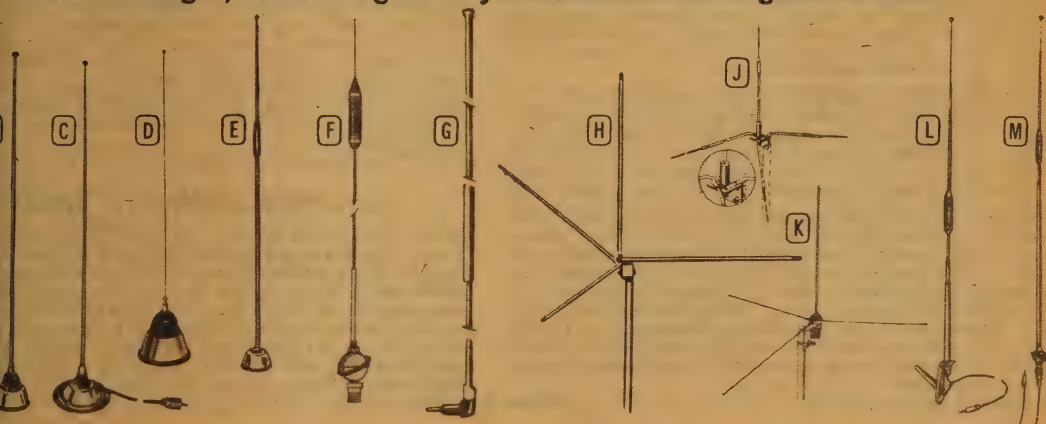
20 B 6002 X. Shpg. wt. 4 lbs.74.99

20 B 6502. Mounting Bracket. 1 lb.4.50

20 B 6503. DC Power Cord. 8 oz.2.99

20 B 6905 S. Extra Plug-in Card. Mail to factory for 30-day shipment... Each 15.99

Get a stronger, clearer signal to your monitor with a good Antenna



Antenna Specialists MON-1. Universal mobile antenna covers 30-50 MHz and 108-174 MHz. Gives outstanding performance at low cost. Describes easy installation on any flat surface by pin-plug connection plus SO-239 connectors. With 16-ft. RG-58/U cable. **X. Shpg. wt. 1 1/2 lbs.7.99**

Antenna Specialists MON-2. Has "Grip" no-hole trunk-lid mount. Gives outstanding performance from 118-174 MHz. Screw-type adapter included to attach antenna to exact frequency station. Comes complete with 16-ft. RG-58/U coax cable, pin plug, and adapter for SO-239 connections. **X. Shpg. wt. 2 lbs.13.99**

Antenna Specialists MON-9. Mobile whip for 118-174 or 450-470 MHz. Mounts magnetically. With 16-ft. RG-58/U cable, pin plug, M-41 adapter. **X. Shpg. wt. 1 lb.13.99**

[D] Trunk-Mount Mobile. Gives excellent performance on 152-174 MHz. Installs in minutes—no holes to drill. Overall height is 20 inches. Stainless-steel whip. With 16-ft. RG-58/U coax cable. **20 B 177 X. Shpg. wt. 1 lb.12.95**

[E] Antenna Specialists MON-13. "Quick-Grip" mount. Covers 25-174 MHz or adjusts to specific frequency. No holes to drill. With 16-ft. lead, pin-plug, and M-41 adapter for SO-239 connections. **20 B 6018 X. Shpg. wt. 2 lbs.16.99**

[F] Dual-Band Cowl-Mount. For mobile use. Rugged chromed telescopic whip extends to 55 inches, collapses to 36 inches. Mounted on swivel base. Center-loaded weatherproof coil. With 5-ft. RG-58/U cable. Terminates in pin-type plug. **20 B 016 X. Shpg. wt. 2 lbs.14.95**

[G] Dual-Band Indoor. Center-loaded coil. Telescopic whip. Pin-plug termination. **20 B 161 X. Shpg. wt. 2 lbs.6.95**

[H] Allied A-2505A 1/4-Wave Ground-Plane Base Antenna. Omnidirectional on 30-50 MHz or 108-174 MHz. For 1 1/2" diameter masts. Requires coaxial cable. **21 B 5505 X. Shpg. wt. 3 lbs.11.95**

[J] Dual-Band Ground-Plane. For outdoor use. 3 heavy-duty, low-resistance aluminum elements; 2-section vertical radiator; transformer. Accepts PL-259. **20 B 015 X. Shpg. wt. 6 lbs.19.95**

[K] Hi-Band Ground Plane. Peak performance on 152-174 MHz. Chromed radiator. 3 radials. Accepts PL-259. **20 B 176 X. Shpg. wt. 3 lbs.9.95**

[L] Antenna Specialists MON-12. 25-174 MHz. Lead, connector, M-41 adapter. **20 B 6019 X. Shpg. wt. 1 1/2 lbs.15.99**

[M] Antenna Specialists MON-6. Mobile telescopic whip for business and public-safety bands. Stud mount. 5-ft. RG-58 U cable, pin plug, M-41 adapter. **20 B 6020 X. Shpg. wt. 1 1/2 lbs.14.99**

NEW! Allied presents the complete Amateur Transceiver



B



A



C

Gives you more flexibility in station operation . . lets you separate tuning of transmitter and receiver for precision operation

160 watts DC input . . built-in solid-state VFO . . sharp 500 Hz CW filter . . features and controls for easy, versatile operation . . built-in 25-Hz calibrator . . selectable sidebands

Designed exclusively for the A-2517 . . conserves rated components gives life and consistently top free performance

89⁹⁵

400⁰⁰

99⁹⁵

A 80-10 meter SSB/CW Transceiver

Model A-2517. Allied's own dual-conversion transceiver offers all you would want for a top-notch station. Covers all Ham bands from 3.5 to 29.7 MHz in seven ranges. Stable, built-in solid-state VFO includes two FET's. Precision machined, dual gear driven linear VFO for direct readings to 1 kHz.

Power input, 160 watts at 3.5-21 MHz; 120 watts at 28 MHz. Carrier and sideband suppression, -40 dB. Receiving sensitivity, 0.5 μ V for 10-dB S/N ratio at 3.5-21 MHz; 1.5 μ V at 28 MHz. Selectivity: SSB, 2.4 kHz at -6 dB, 4.8 kHz at -60 dB; CW, 500 Hz at -6 dB, 1.5 kHz at -60 dB. Image ratio, 50 dB. Full 1-watt audio output. Takes 50-75 ohm antenna and high-impedance mike.

Sidetone, VOX, PTT, fast or slow AGC. Combined ALC, plate-current, RF-output, high-voltage, "S" meter. Special sharp-cut-off crystal transmit/receive filters. All necessary inputs and controls. Amplified AGC allows receiver to handle a wide variety of signals without blasting, fading, or distortion. Amplified ALC for excellent SSB without splatter. Receiver incremental tuning (RIT) lets you tune receiver \pm 3 kHz without touching main tuning. Two S2001 final-amplifier tubes are interchangeable with the 6146B. 7 $\frac{1}{2}$ "x13"x13 $\frac{1}{2}$ ". Takes external VFO, power supply/speaker described at right.

20 B 5517 U. Shpg. wt. 21 lbs. **400.00**

B Solid-state external VFO with FET

Model A-2519. Perfect match for Model A-2517 Transceiver. Increases versatility by letting you transmit and receive on different frequencies. Has same accurate tuning mechanism as the A-2517. Operating power is taken from transceiver's VFO output socket. Crystal-controlled operation for communications. Shielded and filtered against radio frequency spurious signals. Has Off, Receive, Receive/Transmit, Selector. 7 $\frac{1}{2}$ "x7 $\frac{1}{2}$ "x7 $\frac{1}{2}$ ". With connecting cord and two legs for tilting VFO.

20 B 5519 U. Shpg. wt. 7 $\frac{1}{2}$ lbs.

C AC Power Supply / 6 $\frac{1}{2}$ " Speaker

Model A-2518. Companion to the Model A-2517 Transceiver. Consists of a stable, well-filtered AC supply and an 8-ohm communications speaker. The power supply provides all voltages at the correct current for proper operation of the transceiver. The on/off switch is on the A-2517 for operating convenience. When no space is available on the operating unit can be placed underneath and out of the way. 7 $\frac{1}{2}$ "x13"x13 $\frac{1}{2}$ ". Comes complete with cord for connecting power supply speaker to the transceiver, and two Hyzex legs.

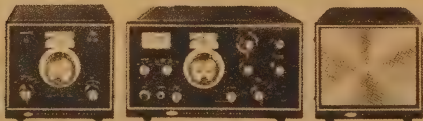
20 B 5518 X. Shpg. wt. 35 lbs.

Money-saving Outfits of matched Ham Station components

Save

\$59.90

530⁰⁰



Outfit with remote VFO

Separately, \$589.90. Includes Model A-2517 80-10 meter SSB/CW Transceiver; Model A-2519 Matching Solid-State VFO; and Model A-2518 AC Power Supply and Speaker Unit. This is complete operating equipment for a versatile Amateur radio station, all you need is an antenna and mike or key. You get maximum operating flexibility plus a full array of features that make operating a pleasure on today's crowded bands. And last but not least, the attractive appearance will make you proud to display it in your shack.

34 B 5609 L3U. Shpg. wt. 63 $\frac{1}{2}$ lbs. **530.00**

Save

\$49.95

450⁰⁰



Outfit with single VFO

Separately, \$499.95. Includes Model A-2517 80-10 Meter CW Transceiver; Model A-2518 AC Power Supply and Speaker Unit. Here is all necessary equipment for an Amateur radio station, other than the antenna and mike or key. Gives you deluxe extras not expected at this moderate price. You'll pull them in the air with a great signal, and you'll really pull them in with excellent receiving sensitivity. Modern styling gives them an especially pleasing appearance. And years of dependable service and fine performance go with it.

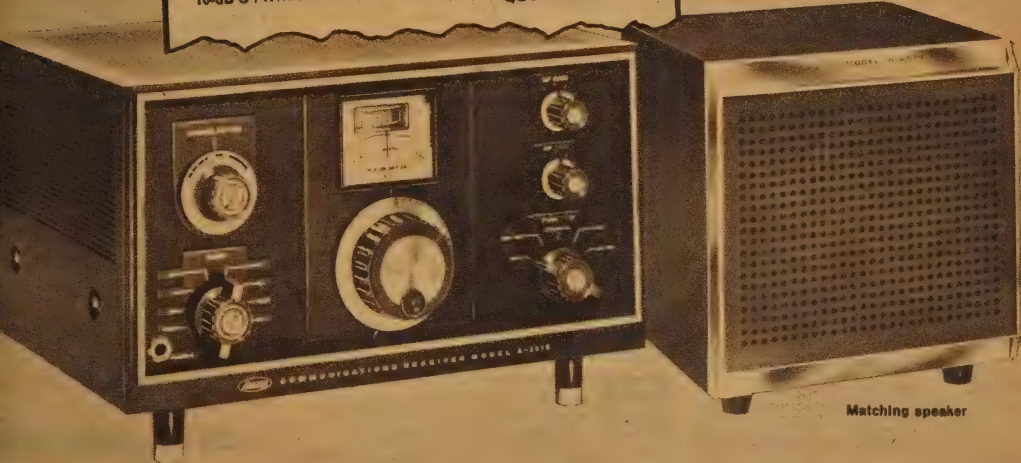
34 B 5610 L2U. Shpg. wt. 56 lbs.

Allied® full-feature Ham Receiver . . high sensitivity and solid-as-a-rock performance on 80-10 meters

"The A-2516 tested in the ARRL lab met or exceeded all of the manufacturer's specs. Although the A-2516 manual states that the receiver has a sensitivity of 2.0 μ V for a 10-dB S+N/N ratio the unit we checked performed much better. Depending on the band, the receiver had a sensitivity of 0.4 μ V or less for a 10-dB S+N/N ratio."

QST MAGAZINE

169⁹⁵ less speaker

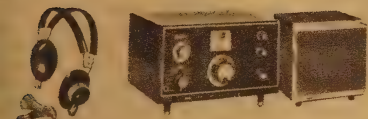


Matching speaker

A-2516. A welcome addition to any Ham shack. Improves dependability of your contacts over longer distances—an excellent receiver can make the big difference in the reliability of your communications. Designed to give top performance on all bands between 3.5 and 29.7 MHz, plus the frequency-converted signal on 10 MHz. Has AM, SSB, CW modes. Superior frequency stability is assured by a crystal-controlled first local oscillator and a solid-state VFO-type second oscillator having negligible frequency drift. VFO has output terminals to allow use as transmitter VFO. Sensitivity is 2.0 μ V nominal for 10-dB S+N/N ratio at 14 MHz. Dual-conversion improves selectivity to give high image rejection. IF and image rejection are better than 40 dB at 14 MHz. Mechanical IF filters provide an excellent 1.5-kHz bandwidth at 6-dB down, 6-kHz at 60-dB. Accurate anti-dial double-gear tuning; dial reads directly down to 1

kHz; 28:1 dial-speed ratio makes tuning precise and smooth. Preselector peaks up weak incoming signals for best possible reception. Superbly engineered, modern product detector gives excellent SSB and CW reception. BFO is crystal-controlled for high stability and superior performance. AGC prevents blasting and overloading and builds up weak signals for constant-level audio; ANL reduces the effect of external noise-interference. Built-in S-meter calibrated in dB allows signal-strength evaluation for accurate signal reports and serves as tuning indicator. Built-in on-off switch for optional calibrator. Has 8-ohm output terminals for external speaker; 500-ohm phone jack; 500-ohm output terminals for recording and RTTY. Remote-control terminals for transmit/receive control. One-watt audio output. Matching speaker (20 B 5986 X) below left. 7x13x10". AC.

20 B 5516 U. Shpg. wt. 18 lbs. **169.95**



Save
\$26.89 209⁹⁵

Money-saving Ham Receiver Outfit

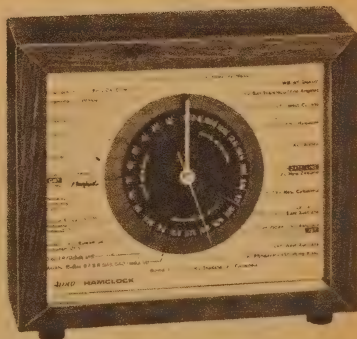
Only \$236.84. Everything you need for a morning Ham outfit. Allied A-2516 Receiver (see above), Deluxe Dual Headphones with 5' cord and 1/4" phone plug, Allied Matching 5" Speaker, Hy-Gain 14AVQ Trap Antenna for 40-10 meters.
1 L4U. Shpg. wt. 35 lbs. **209.95**
8. Headphones Alone, 1 lb. **6.95**
6 X. Speaker Alone, 6 lbs. **19.95**
3 ZW. Antenna Alone, 10 lbs. **39.99**

Allied Hamclock for accurate world time

Shows time anywhere in the world at a glance . . convenient battery operation

Model A-2527. An impressive and useful addition to the Ham shack. Gives you the exact local time, plus the time in any call-area or section of the world at a glance. Call areas and major cities are clearly marked on the clock face. Handsome wood cabinet. Size, 8x6 1/2 x 3". Order one "D" battery below.

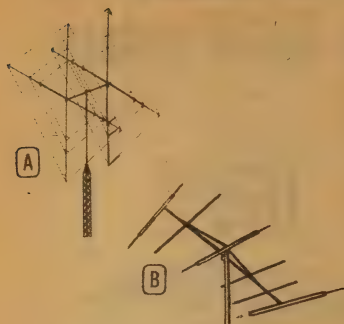
20 B 5527. Wt. 1 1/2 lbs. . . . **24.95**
23 B 494. Battery, 6 oz. . . . **2/1.59**



24⁹⁵ Operates for months on a single battery

Page 331 for full Credit details . . buy with no money down

Values in top-performing Amateur Antennas

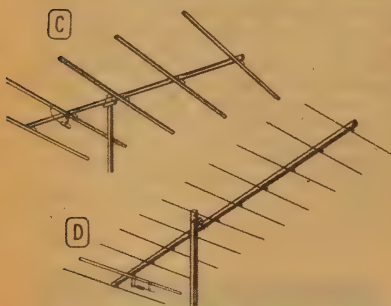


Hy-Gain Antennas

A "Hy-Quad" Tri-Bander Quad. 10-15-20 meters, 2 elements, all-aluminum, aluminum stranded wire, Cyclocac® spreader insulators, tuned gamma match on each band, single feed line for all three bands. No tuning stubs, traps, loading coils or baluns. Extra-heavy-duty tilting boom-to-mast clamp for 1½" to 2½" masts. Gain, 8.5 dB. F/B Ratio, 25-35 dB. VSWR, 1.2:1. 52 ohms. 1 kW. Spreader, 25' 5". Boom, 2". Turning Radius, 13' 6".
20 B 6909 ZW. Shpg. wt. 42 lbs.129.99

B TH-6DXX "Super Thunderbird Tri-Bander." 1 kW. Gain, 8.7 dB on 10, 15, 20 meters. "HY-Q" traps. Boom Length, 24 ft. Longest Element, 31 ft. Turning Radius, 26 ft. Requires CDR HAM-M Rotator (right.)
20 B 6910 ZW. Shpg. wt. 60 lbs.179.99

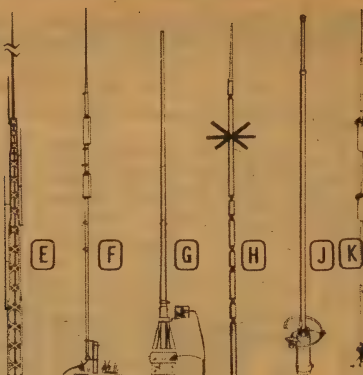
TH3MK3 "Thunderbird Tri-Bander." (Not illus.) 1 kW, 10, 15, and 20 meters. 1 kW. Boom, 14 ft. Turning Radius, 14' 8".
20 B 6911 ZW. Shpg. wt. 36 lbs.144.99



Cush-Craft VHF Antennas

C A50-56-Meter Beam. Five-element, all-aluminum 50-MHz beam provides 9.5-dB gain, excellent pattern control, and high F/B ratio. Mounts horizontally or vertically. Boom Length, 12 ft. 52-72 ohms. For masts up to 1½".
20 B 6907 ZW. Shpg. wt. 14 lbs.29.50
20 B 6006 X. A55-SK Stacking Kit. For stacking two A50-5 beams. Adds 3 dB gain. Shpg. wt. 2 lbs.11.99

D A144-11 2-Meter Beam. Eleven-element aluminum array provides 13-dB gain, 28-dB F/B ratio. Can be mounted horizontally or vertically. Boom, 12 ft. Solid elements. Driven element for direct 52 or 72-ohm feed. For masts to 1½".
20 B 6808 ZW. Shpg. wt. 8 lbs.16.99
20 B 6007 X. A11-SK Stacking Kit. For stacking two A144-11's. Wt. 2 lbs.11.99



E Hy-Gain 18 HT "Hy-Tower" for 10-80 Meters. 50 feet high. 1 kW. X-braced. Stub decoupling. 52 ohms. With base insulators. Requires coax and ground rod.
20 B 6912 ZW. Shpg. wt. 108 lbs.179.99

F Hy-Gain 14AVQ Trap Vertical for 10-40 Meters. All-aluminum. Antenna is at DC ground for low noise, positive lightning protection. 1 kW. 52 ohms. Height 18 feet. Needs coax and ground rod.
20 B 6913 ZW. Shpg. wt. 10 lbs.39.99

F Hy-Gain 18AVQ/WB Trap Vertical for 10-80 Meters. 32 feet high. Has four separate tuned traps. 1 kW, 2 kW PEP. 52 ohms. Requires coax, ground rod.
20 B 6914 ZW. Shpg. wt. 15 lbs.67.50

G Hy-Gain 18-V Trapless Vertical for 10-80 Meters. 18 feet high. Heavy-duty aluminum radiator. With base insulator. 52 ohms. Requires coax.
20 B 6008 X. Shpg. wt. 5 lbs.21.99

H New-Tronics 4BTV Vertical for 10-80* Meters. Aluminum. Precisely tuned hi-Q traps. 1 kW. Tunable. 19' 8" high. 52 ohms. SWR 1.5:1. *80 meters with RM-75S resonator. Requires coax.
20 B 6915 ZW. Shpg. wt. 15 lbs.42.99

J Cush-Craft AR-2 Vertical for 135-175 MHz. Perfect for monitor receivers. Gain, 3.75 dB. Preassembled. Fitting for standard coax connector. Fits up to 1½" masts. Requires 52-ohm coax.
20 B 6011 X. Shpg. wt. 5 lbs.12.50

K Antenna Specialists ASP-543 Vertical for 130-174 MHz. Has over 3-dB gain; handles over 100 watts. VSWR, better than 1.5:1. Stainless steel. Chromed-brass "Quick-Grip" trunk mount. Full antenna height, 56 inches. Whip, 49 inches high. With 20 feet of coax.
20 B 6504 X. Shpg. wt. 5 lbs.35.45

ASP-446. Above, but has snap-in mounting for ¾" hole. With 12 feet of coax.
20 B 6505 X. Shpg. wt. 5 lbs.27.95

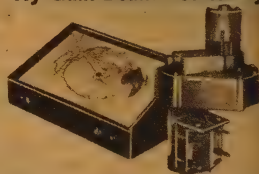


Doublet Antennas

Hy-Gain HD-4 Doublet. 80 meters, with cutting instructions for 10-40 meters. 500 watts. With wire, insulators, hardware, 50 ft. of RG-58/U coaxial cable.
20 B 6009 X. Shpg. wt. 3½ lbs.9.99

Hy-Gain 5BDQ Multiband Doublet for 10-80 Meters. (Not illus.) 1 kW. Requires coax.
20 B 6010 X. Shpg. wt. 10 lbs.69.99

Hy-Gain Beam Rotator System



Model 400. Perfect rotator system for large beam antennas and stacked antennas over 10 times the mechanical and braking capability of other rotators. Handsome rotator control box features sweep-pointer over a great circle compass rose.

You select the direction, rotator moves until null-seeking circuit indicates antenna in desired position. The no blind spots; rotation includes overlap. Indicator always shows direction of antenna. Completely reliable - no selsyns.

Delivers over 4000 inch-pounds of static and rotating torque. Disc braking slips at 3500 inch-pounds to prevent damage. Gears are cut from steel ductile iron. Motor and gear train in weather-resistant housing. Fits masts 3 inches O.D. For AC.

20 B 6003 X. Shpg. wt. 28½ lbs.

CDR Beam Rotator System



Model TR-44, Series III. Rugged constructed rotator has 48 heavy-duty bearings in two 6½" ball races. Average, 450 inch-pounds. Smooth, noiseless operation (including no electrical noise). Indicator is calibrated in degrees and 3° increments. Readable motor off. For masts up to 2½". Requires 8-conductor rotator cable.
20 B 6005 X. Shpg. wt. 19 lbs.

Model HAM-M. (Not illus.) Extra duty rotator, supports over 1000 lbs. Same indicator as above. Positive locks rotor in position. Stainless gears, pinions, mounting hardware. Requires 8-conductor rotator cable.
20 B 6004 X. Shpg. wt. 25½ lbs.

Polyfoam Coaxial Cable

Get up to 35% more signal to your antenna with low-loss polyfoam coax cable for Amateur and Citizens Band stations. Order in multiples of 25 feet.
278 B 1325. RG-8/U. 52 ohms.
278 B 1326. RG-58/U*. 52 ohms.
278 B 1327. RG-59/U. 72 ohms.
*RG-58/U, no polyfoam

Accessories for the up-to-date Amateur Station



Wall World-Map/Clock

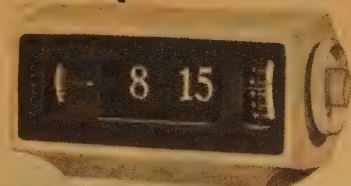
69⁹⁹ Shows the time in 70 major cities

is a welcome addition to any Ham regardless of how well equipped it is. Unusual map/clock adds the convenience of knowing the actual time in the city which you are making a contact.

ines an accurate electric clock with a full five-color world-map all mounted in a handsome 15x22x5" walnut frame for hanging on the wall. Lets you check the time in 70 of the world's major cities and everywhere else on the globe.

ugh highly decorative, nothing could be more functional. Can be used also by a novice or student in office or den. Has a large, enlarged indicator for local time and daylight time. AC.

22 U. Shpg. wt. 5 lbs. **69.99**



701

High-styled Caslon precision Digital Clocks

Model 701. Noiseless, precision motor. Alarm can be set 24 hours ahead. Sounds a 10-second-on/50-second-off buzzer until turned off. Attractive white finish. Size, 7 1/2 x 4 x 3 1/2". AC.

20 B 6520. Shpg. wt. 2 1/2 lbs. **20.00**



601

Caslon desk-top Calendar Clock

Model 201. Desk/table clock has a side knob for easy setting, neon-lighted face. White plastic case, 5 1/2 x 2 1/2 x 3 1/2". Twelve-hour (1:00-12:59). AC.

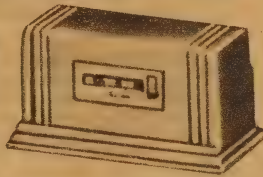
20 B 6507. Shpg. wt. 2 lbs. **17.00**

20 B 6525. Above, 24-hour. **19.50**

Model 601. Precision hysteresis synchronous motor. Neon-lamp lights face. Handsome aluminum case, plastic endplates.

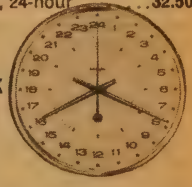
24-hour Digital Clock

15⁰⁰



24-hour Electric Clock

19⁹⁹



Pennwood 100-24H. Digital-readout 24-hour dial shows hours and minutes. Handsome modern case in ebony, styled to blend with decor anywhere. Ideal for accurate log-keeping. Has precision electric movement. Size, 4x7 1/2 x 4". AC.

20 B 6530. Shpg. wt. 5 lbs. **15.00**

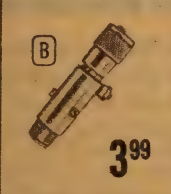
Mastercrafters 2405C. High-accuracy and superb styling. White 12" dial, black hands and numerals, red sweep-second hand. Durable chrome-finish case, 13 1/2" in diameter. Precision self-starting movement. AC. U.L. Listed.

20 B 6023 X. Shpg. wt. 5 lbs. **19.99**



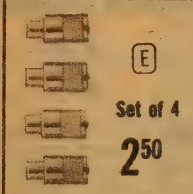
A

24⁹⁹



B

3⁹⁹



E

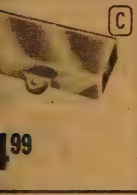
Set of 4

2⁵⁰



F

1⁵⁹



1⁹⁹



D

39⁹⁹



G

19⁵⁰



H

9⁹⁹

Gain LA-1 Coaxial Lightning Arrester. Protect your equipment from damage or theft with this fine unit. SO-239 fittings. For 72-ohm antennas.

22. Shpg. wt. 1 lb. **24.99**

Sh-Craft "Blitz-Bug" Coaxial Lightning Arrester. Installs easily in line. Has 3 connectors.

23. Shpg. wt. 4 oz. **3.99**

Gain BN86 Balun. 2 kW PEP, 3-30 MHz, 1:1 ratio. 52 ohms. Weather sealed. Are for 1 1/2" to 2 3/4" boom or mast.

26. Shpg. wt. 2 lbs. **14.99**

Ameco PCL-P Preamplifier. 6-160 MHz. Two nuvions in cascade. More than 20 dB gain. 5 1/2 x 3 1/2 x 3". AC.

506. Shpg. wt. 2 lbs. **39.99**

508. Ameco PLF. (Not illus.) Above, uses FET's. 2 lbs. **45.00**

E Four PL-529 Coaxial Connectors. MIL type. New, not replated. Low, low price for these connectors.

278 B 6005. Wt. 8 oz. **Pkg. of 4/2.50**

F Ameco HP-45 High-Pass TVI Filter. Rejects everything below 45 MHz. For 300 ohms impedance.

20 B 6527. Shpg. wt. 3 oz. **1.59**

G 572B/T160L Power Triode. Ideally suited for grounded-grid linear amplifiers. As replacement for the 811A it provides greater peak-power capability, longer life. Has rugged graphite anode.

20 B 6529. Shpg. wt. 1 lb. **19.50**

H Gold Line GLC 1053 Shortwave Antenna Tuner. Improves reception on all major shortwave and Amateur bands. Use with any antenna. Easy to install.

20 B 6528. Shpg. wt. 1 lb. **9.99**

50' coil 10⁹⁹



Low-Loss Coaxial Cable. High-quality RG-8/U cable at exceptionally low cost. Just the thing for the Ham or CB'er who wants to really get out. Features foam polyethylene dielectric for minimum attenuation at high frequencies; premium Type II noncontaminating PVC jacket that even allows burial.

You'll get more power to your antenna and better performance from your system by replacing your old, higher-loss line with this low-loss line. 50-ohm impedance. Handles up to 2000 watts of RF below 30 MHz.

Has long-life, weather-resistant black vinyl jacket. Amphenol PL-259 connector installed at each end for added convenience.

278 B 6004. 50-ft. Coil. 7 lbs. **10.99**

278 B 6003. 100-ft. Coil. 14 lbs. **17.99**

Shortwave Antenna Kit

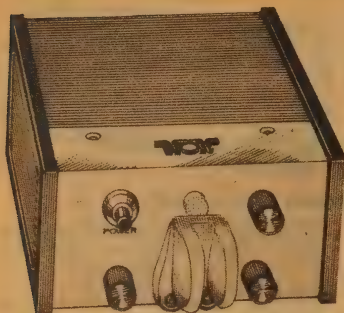
198

50' copper antenna wire, 25' lead-in wire, insulators, nail knobs, ground clamp, window lead-in strip. Easy installation.

278 B 1373. Shpg. wt. 1 1/2 lbs. **1.98**

278 B 758. 75' Kit. 2 lbs. **3.95**

Allied Radio Shack Accessory Values for "Brass Pounders"



89⁹⁹ NEW! Ten Tec Squeeze Keyer

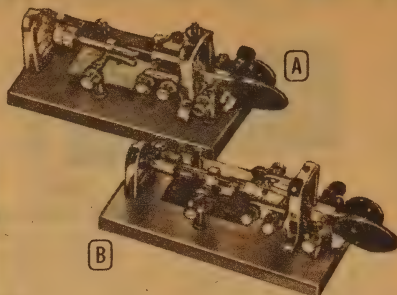
Model KR40. For the serious CW operator. 6-60 wpm. Has magnetic paddle return, adjustable from front panel; full memories; ambimatic feature self-completing. Variable weight ratio. Monitor. Solid-state circuit with four IC's. Reed relay output. Cycolac® slide panels, wood-grain finish. Nylon paddles. 2½x4¼x8". AC.

20 B 6514. Shpg. wt. 3¼ lbs. **89.99**

20 B 6515. **Model KA40.** Above, no paddles. Shpg. wt. 3 lbs. **74.99**

20 B 6516. **Model KR20.** As KR40, but without ambimatic feature. Shpg. wt. 3¼ lbs. **59.99**

20 B 6517. **Model KA20.** As KR20, but no paddles. Shpg. wt. 3 lbs. **44.99**



Vibroplex Semi-Automatic Keys

A "Original" Semi-Automatic Key.

Easy-working. Used by veteran operators. Jeweled bearings, chrome-plated mechanism and base. Slip-proof rubber feet prevent marring of finished surfaces. 20 B 6518. Shpg. wt. 5 lbs. **32.99**

B "Presentation" Semi-Automatic Key.

Adjustable mainspring for wide speed range. Jeweled movement resists friction, prolongs life. Chromium parts, mounted on 24K gold-plated base top. Red knob, finger and thumb pieces. Rubber feet. 20 B 6519. Shpg. wt. 5 lbs. **43.99**

"Vibro-Keyer" Keying Mechanism. (Not illus.) Trunion lever, adjustable contact spacing and tension, chrome-finished parts. Beige base. 3 lbs.

20 B 6521. **20.99**

20 B 6522. Above, chrome base. **27.99**



Allied Code Course

Ten easy code lessons on one 12" rpm LP record—calculated to advance quickly to speed of 15 words per minute. Table of International Morse Code included on back of jacket. With instruction booklet containing lessons identical to those on record.

20 B 5573. Shpg. wt. 1 lb.

NEW Tape Cassette Code Course



H. H. Smith. For any cassette player. 20 B 6511. **Basic Course.** (15 wpm.) Consists of 10 lessons on one cassette. 20-page booklet for combined eye and ear study. Shpg. wt. 8 oz. 20 B 6513. **Advanced Course.** (16-25 wpm.) 12 lessons on one cassette. With 20-page booklet for combined study. 8 oz.



895

Realistic Code Practice Oscillator

- Increases speed, accuracy
- With tone and light signals
- Self-contained speaker

Here's the reasonably priced practice code oscillator made especially for the beginner and those CW'ers who want to increase their wpm. It's invaluable for code study and practice. Easy-to-operate front panel pitch control varies tone from 500 to 2000 Hz. Use with earphone (for privacy), or built-in external speaker. External speaker not included. Flashing panel light to signal after dark. With 2 batteries, earphone, instructions. Size: 23½x6¼x2½".

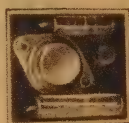
20 B 007. Shpg. wt. 2 lbs. **8.95**



2⁹⁹

- 10 easy-to-follow lessons
- Up to 15 words per minute
- All on one 33⅓ rpm record

Here's the easy way to learn Morse code in 10 lessons quickly increase your speed up to 15 wpm. Ideal for beginners or code groups. 12" non-breakable LP in sturdy instruction manual containing basic code information. 20 B 025. Shpg. wt. 1 lb.

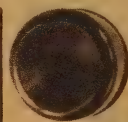


Transistorized Code Oscillator

98¢

Fully wired. Connects quickly to telegraph key. Uses 1½ volt battery. PM (permanent magnet) speaker. Ideal receive/send practice. With connections.

20 B 1155. Shpg. wt. 8 oz. **98¢**

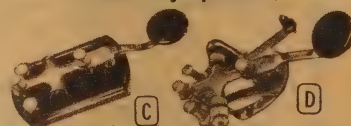


Hi-frequency Practice Buzzer

79¢

Adjustable frequency buzzer ideal with Beginner's handkey. Black housing. Gives out a clear steady tone for send/receive and wpm practice. 20 B 1086. Shpg. wt. ½ lb.

Hand Key Specials



C Beginners. For boy scout code classes, etc. Adjustable spring contacts. Nickel-plated metal parts. 3¼x1¼".

20 B 1085. Shpg. wt. ½ lb. **79¢**

D High Speed. For hard usages. Adjustable spring tension, contacts, ball-bearing pivots, circuit-closing switch.

20 B 1084. Shpg. wt. 1½ lbs. **1.95**

Code Practice Set

179

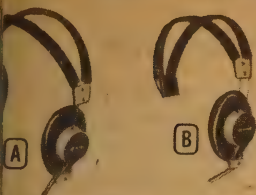


Perfect for the beginner to increase words-per-minute and learn Morse correctly. Key and buzzer. Easy to use spring and contacts for the correct response. Adjustable buzzer. 1 post for headphones. Size: 6½x2½". Order battery below.

20 B 1087. Shpg. wt. 1½ lbs.

20 B 466. 1.5 V "D" Cell Battery. Shpg. wt. 00 lbs.

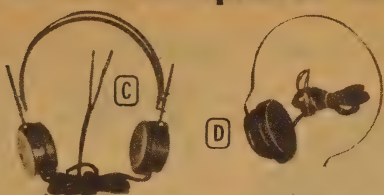
Sensational values in Headphones for every application



Deluxe dual Headset

There is excellent quality for Amateurs, CBers. Lightweight, vinyl-covered double headband. Adjustable earpieces, with available cushions. Impedance: 2000 ohms. Heavy-duty 5-foot cord with standard 1/4-in. phone plug. Gray color.

5004. Shpg. wt. 1 lb. 7.95
5008. As above, but 8 ohm impedance. Shpg. wt. 1 lb. 7.95



Low-priced dual model

C General-purpose headphones for Amateurs, shortwave listening. Contain Hyflux Alnico magnets. Vinyl-covered headband is adjustable. 1 1/8" diaphragm. Impedance: 2000 ohms. With 4 1/2-foot cord with phone tips.

33 B 5002. Shpg. wt. 1 lb. 3.95
33 B 5005. As above, but 1/2" phone plug and 11 ohms. Shpg. wt. 1 lb. 4.49

Deluxe single Headset

Monitoring and other general-purpose uses. Excellent for mobile CB in states prohibit dual headsets in cars. Vinyl-covered headband, removable earcushions. 1000 ohms. 5' cord, 1/4" plug.

5001. Shpg. wt. 1 lb. 7.95



Telex Private Listener

5003. The earphone for almost every application. For private TV, radio, mono listening. For hard of hearing, too. Volume control. Jacks for earpieces. One standard 1/4" phone plug, other for miniature plug. Includes on-off speaker switch. 15' cord with spring clips.

6001. Shpg. wt. 1 lb. 9.99
6002. Above, but for miniature plug. Shpg. wt. 1 lb. 9.99



Wide-response "Teleset"

E HM-100. Magnetic elements. Adjustable spring-tie headband. Response: 50-10,000 Hz. 2000 ohms. 5' cord, 1/4" plug.
33 B 6005. Shpg. wt. 8 oz. 14.50
33 B 6006. Model HM-500. As above, 500 ohm impedance. Shpg. wt. 8 oz. 14.50

Full-fidelity Headphones

F Model 820-02. For libraries, music courses. 50-18,000 Hz. 4 ohms. Vinyl-covered steel headband, removable ear cushions. 6' cord, 1/4" plug.
33 B 6007. Shpg. wt. 1 lb. 9.99
33 B 6008. Model 820-04. Same as above, but 600 ohms. Shpg. wt. 1 lb. 13.25



Wide-response Headset

Model AP-S. Excellent for language lab and communications applications. 80-12,000 Hz. Factory connected for high impedance 600-ohm input. Leads may be changed to 4-16 ohms. Vinyl-covered earcushions. 1/4-in. 4-cond. cord and 1/4" plug.

6003. Shpg. wt. 3 lbs. 24.99

General-purpose Headset

Model COM-S. Offer fine sound reproduction for a variety of applications. Dynamic elements. Adjustable headband; foam-filled earcushions. Response: 100-10,000 Hz. Impedance: 6 ohms. With 7' two cond. cord and 1/4" plug.

6004. Shpg. wt. 1 lb. 13.99



Low-priced earcushions

Soft vinyl Earcushions

J Ear-encompassing to reduce external noise to a minimum. Fit all standard earpieces. Provide maximum comfort for long hours of wear. Washable vinyl covering for easy care.

33 B 6162. Shpg. wt. 2 oz. Per Pair 75¢

Rubber Earcushions

K Provide comfortable earphone listening over long periods while reducing external noise. Permit long use without fatigue. Fit standard earpieces.

33 B 6163. Shpg. wt. 3 oz. Per Pair 90¢



Dual Headset with boom mike

Lightweight set for Hams, CBers, language labs, other uses. Earpieces have heavy-duty magnets for clear voice reproduction. Vinyl covered headband is fully adjustable. Earcushions block outside sound, are removable, washable. Boom mike has ceramic element. Phone plugs for Hi-Z mike and 2000 ohm headset.

33 B 5006. Shpg. wt. 1 1/2 lbs. 22.00

Top-quality economy Phones



Archer. Heavy chrome steel magnets, vinyl headband, tip plugs, adjustable earphones. Response: 90-9000 Hz. Impedance 2000 ohms.

33 B 180. Shpg. wt. 3/4 lbs. 2.49



Fine Archer headphone at low price. Comes with standard 1/4" phone plug. Impedance: 8 ohms. Frequency response: 50-9000 Hz.

279 B 198. Shpg. wt. 12 oz. 2.49



Earphone for any transistor radio. Response 50-9,000 Hz. 10 ohms. Replaceable plug, cord.

33 B 175. With miniature (1/8" plug). Shpg. wt. 4 oz. 98¢

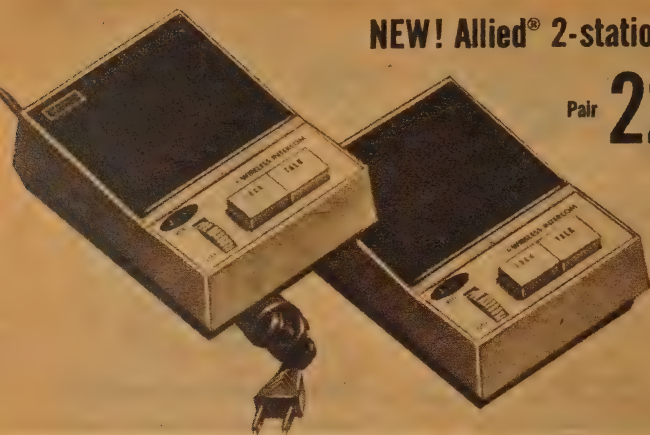
33 B 174. w/sub-mini (3/32" plug). 98¢

Wireless Intercoms . . just plug in and start talking

NEW! Allied® 2-station System at a budget price

Pair **22⁹⁵**

- Easy push-to-talk operation
- Big 2 1/4" dynamic speaker
- High-impact styrene cases



Model A2546. Save steps and time . . just plug into AC outlets and start talking. Two-station com lets you talk between rooms or between ad homes and buildings, as long as they're on the electric power-line transformer. Press-to-talk sw with pilot lamp has locking position for lengthy tr missions. Use locked position for baby sitting sensitive unit can transmit soft noises from bedroom to another room—a real aid for busy moth Volume control. Solid-state circuit. High-impact sty cases, 1 3/4 x 3 3/4 x 5 1/4". AC.
43 B 5546. Shpg. wt. 2 lbs.

Two-way Intercom System for home or business



29⁹⁵
Pair

- Call and reply with each unit
- Lock button for long conversation
- Convenient illuminated "Talk Bar"

Take a load off your feet and your time sche Don't run across the house or building every there's something you want to say or hear. At the of a button you can monitor baby's room, talk to rooms, converse from indoors to outdoors. And don't have to bother with interconnecting cables get in the way so easily. Simply plug each unit int nearest AC outlet and you're ready to talk. You can talk between buildings if they're on the same ele power-line transformer.

Each intercom is a Master station in its own right can call and reply to other stations. Buy two or pairs and you have a complete and inexpensive munication network for use around your hom hospitals, factories, offices, stores and so on. Sy pays for itself immediately in convenience and time you save.

Large 2 1/2" speaker gives extra-clean voice repr tion. Lock button lets you conduct long hand conversations. "Always-on" monitoring. Solid-circuit for maintenance-free operation. 5x5 1/2 x 5 1/4" 43 B 210. Shpg. wt. 4 lbs.



19⁹⁵
Each

Dual-channel Intercom allows two programs on one Master set

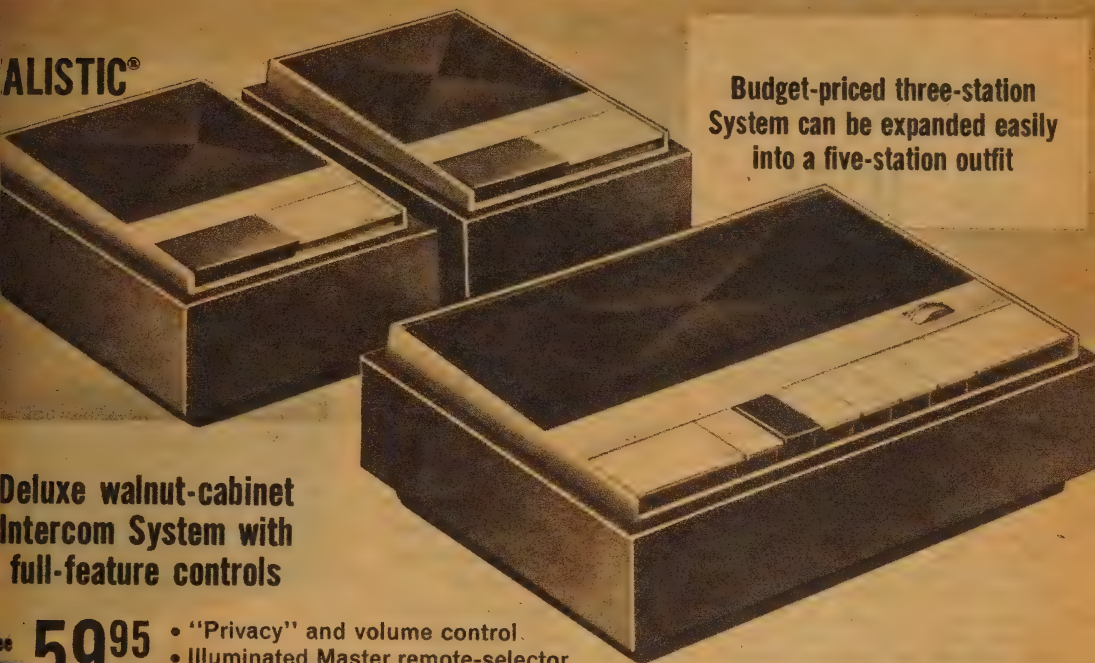
- Runs on just pennies a day
- Modern styling for any decor
- Reliable solid-state circuit

Stylishly designed wireless intercom brings yo separate channels on one Master set. Lets you on two conversations at once. The ideal thing for business conferences. Monitor the nursery and same time without disturbing Baby, use a dif channel to talk to Dad in the den. Illuminated ta is ideal for use at night. A marvel of economy wireless intercom was developed by our Re engineers to deliver "prime performance." Op on only pennies a day . . pays for itself in conver the first week you own it. No messy interconn wires to fuss with. Plug into any AC outlet and channel easily with the switch on attractive front Call button signals the other end when you w talk. Solid-state circuit assures long depen service. AC.

43 B 225. Shpg. wt. 3 lbs. Each

Intercom Systems to spread the word in an instant

ALISTIC®



Budget-priced three-station System can be expanded easily into a five-station outfit

Deluxe walnut-cabinet Intercom System with full-feature controls

- 59⁹⁵**
- "Privacy" and volume control
 - Illuminated Master remote-selector
 - Includes 150-foot interconnecting cable

Comm-5. The revolutionary Comm-5 three-station intercom system is expandable not to just three, but four Remotes. The system for a complete communication network. And it gets back the small amount you spend in just a short time and effort you save. No more time wasted in office communications. . . your message can be given with a touch of a button. Or use it in the home for instant communication with the nursery, sick room, garage . . . even the back door. Also great for farms, clubs and factories.

Comm-5 has all of the most-wanted features. Master station Remote-selector buttons to talk to each Remote individually. Remotes have indicator lights for quick identification of Remote operation. Call button on each Remote signals the Master

when call is being made. Lock button lets you carry on long transmissions with hands free. Master volume control adjusts volumes of all remotes simultaneously. Remote "privacy" button lets you carry on personal conversations. Convenient stand-by operation button.

System is easily installed. Just run connecting cord between units, plug Master into AC outlet and you're ready to talk. A touch of the button and you're in contact with the entire system. Custom-designed polished walnut wood cabinet enhances any home or office. System comes complete with 150 feet of connecting cable. Extra Remote below.

43 B 240. Shpg. wt. 6 lbs. **59.95**
43 B 241. Extra Remote Station. Shpg. wt. 1 lb. **10.95**

Battery-operated four-station Intercom System by ARCHER®

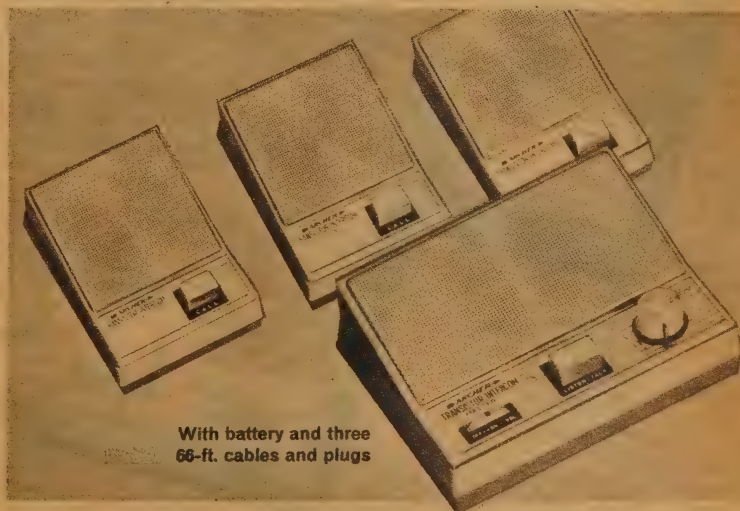
Four Stations 19⁹⁵

Designed and engineered by Radio Shack experts, this handsomely designed system puts home, office, factory or farm on "call." Tough and reliable unit consists of Master and three Remote Stations.

Master Station is equipped with a 4-way selector switch with one position for "stand-by." A turn of the selector switch and a push of the "talk" button connects to each of the Remotes. Remotes connect Master with a press of the signal button. Signal button works even when power is turned off. . . saves on the battery. On/off volume control. Push-to-talk button allows complete privacy.

Expandable solid-state circuit. Operates on 9-volt battery (included). With 66-ft. cables. AC adapter below.

415. Shpg. wt. 10 lbs. **19.95**
402. AC Adapter. Wt. 1 lb. **4.95**



With battery and three 66-ft. cables and plugs

These great Intercom Systems take the walking out of talking

Easy-to-install solid-state 2-station Intercom System

2-station
System

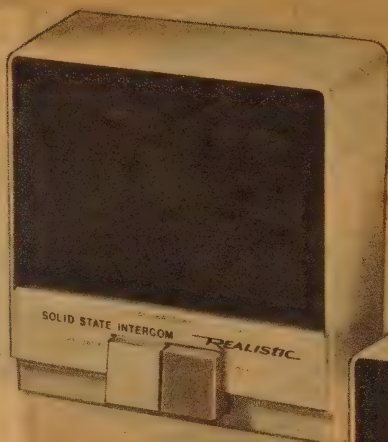
16⁹⁵

Stop running up and down stairs or trying to yell the length of your house to get your message across. Simply push the talk button and carry on your conversations with no shouting, no running and extra-easy listening. It's the perfect "set-up" for inexpensive, instant communication to the basement, attic, workroom—or from room-to-room in the main part of the house.

And it's as easy to install as walking between the two sections you want to talk from. Just run the wire to both sections and the system is ready to go. Set it up inside or outside. Plugs into AC outlet or operates on 9-volt battery for camping, hunting and other outdoor activities.

Call button signals when you want to talk. And if you need more than the 50 feet of cable (included), just add two-conductor cable of the desired length. Compact size, 4 1/8 x 3 1/2 x 1 3/4". With 9-volt battery.

43 B 201. Shpg. wt. 2 lbs. **16.95**



REALISTIC®

- Operates on AC house current or 9-V. battery
- Includes 50 feet of cable
- Compact size to fit anywhere



2-station
System

9⁹⁵

ARCHER®

*Includes
9-volt
battery and
66' cable
plus plugs*



2-station battery-powered solid-state Intercom System

- 2 1/4" dynamic speaker
- Safe battery operation
- Easy to install

Allied Radio Shack brings you a remarkable intercom at under \$10! It's a terrific solid-state system that puts you in touch at a moment's notice. Has dozens of uses in home, shop, farm or factory. Use it at front door to check callers, or monitor room, nursery or basement. Use it in camper or trailer for communication between driver and rider.

One touch of the call button sends a signal from the remote unit to the master when the master is turned off. Master station has on/off volume control plus "push-to-talk" switch to give you complete privacy. Sub-station transmits and receives with switches or buttons so that both your hands are always free.

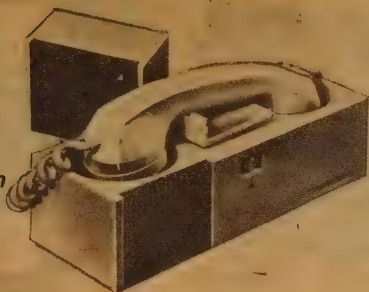
Each station has a big 2 1/4" dynamic speaker so conversations come out crystal clear. Easy installation . . . just run the wire between the two sections you wish to talk from and you're ready to talk. With 9-volt battery, 66 feet of connecting cable and plugs for immediate installation.

43 B 220. Shpg. wt. 5 lbs.

Factory-reconditioned fully-guaranteed Telephones and Accessories

14⁹⁵

Operates from
one 9-volt
battery



Realistic two-way Telephone Amplifier

duct "hand-free" telephone conversations. Just place re-
ar in cradle and talk. Solid state. No installation. Earphone
privacy. Speaker, 3 1/2"x2". Cradle, 10 1/4"x4 1/2"x3 1/4".

230. Shpg. wt. 4 lbs.14.95

"Cinderella" Telephone

34⁹⁵



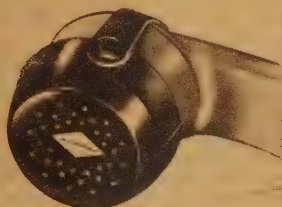
utiful white modern-day "Cinderella" phone brings utility,
venience and glamor to your home. Comes ready for fast and
installation. 4-prong plug, induction coil and bell. Attract-
gold metal dial with matching digits add a gleaming modern
h to any decor. Lightweight. Fits anywhere.

3005. Shpg. wt. 6 lbs.34.95

Telephone Amplifier for hard of hearing

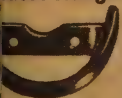
7⁹⁵

ps on . . . eliminates
noisy distractions



erful 4-transistor telephone amplifier boosts voice up to
es its normal sound. Fingertip volume control. Fits any
ard receiver. 2 3/4" around x 1". Complete with battery.
007. Shpg. wt. 1 lb.7.95

Convenient Phone Handset Hanger



9 With
Hardware

t dangle your
e. Hang it on
wall. Rugged
ized black alu-
m. Wt. 1/4 lb.
1528.1.49



100-ft. three- conductor Wire

3⁴⁹

Multi-use for telephone hookups.
278 B 370. Shpg. wt. 2 lbs.3.49

Coiled Telephone Cords

Low
as

1²⁹

3-cond., 6 ft. 1/4 lb.
278 B 361.1.29
4-cond., 15 ft. 1/2 lb.
278 B 1389.5.95



30-foot Phone Extension Cord



2⁹⁸



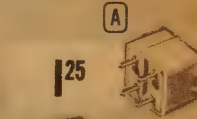
Turn your telephone into a convenient "mobile-unit" with this
flexible 4-conductor cord, plug and standard telephone jack.
279 B 1261. Shpg. wt. 1 1/2 lbs.2.98

A Telephone Plug. Give your tele-
phone complete mobility within
your house. 4-conductor plug
connects quickly and easily. Only fits
one way into jack to prevent error.
279 B 366. Shpg. wt. 1/4 lb.1.25

B Telephone Jack. Matches plug
above. Install several in your home
and use your phone anywhere you
want to. 4-conductor. Plug only fits
one way to prevent error.
279 B 367. Shpg. wt. 1/4 lb.1.40

C Telephone Wall Jack. Use your
telephone in the comfort of any
room in your home. Can be used with
2, 3 or 4 wire systems. Fits standard
wall conduit boxes.
279 B 1507. Shpg. wt. 4 oz.1.99

D Telephone Shoulder Rest. Leave
your hands completely free to
work while you converse on the phone.
Folds neatly out of sight when not in
use. Attaches easily to any phone.
279 B 606. Shpg. wt. 1 lb.1.49



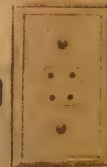
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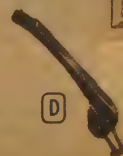
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1⁹⁹



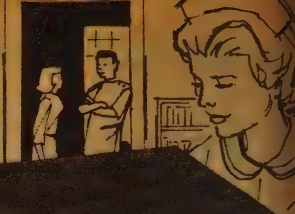
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D

1⁴⁹

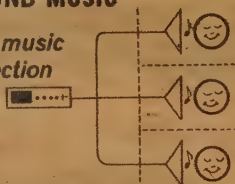
MTA-20 15-watt Monophonic FM Receiver doubles as a music and PA system



DUAL-PURPOSE!

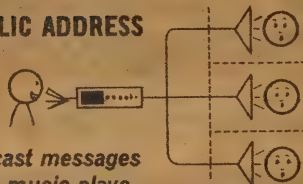
1 BACKGROUND MUSIC

Superb hi-fi music from FM section



2 PUBLIC ADDRESS

Broadcast messages while music plays



Cost less than what you'd expect to pay for a PA or receiver alone . . includes \$20-value walnut cabinet

79⁹⁵

- Unique paging and remote-play features
- 15-watt amplifier with preamplifier
- Separate music, paging, volume controls

This versatile Realistic audio product answers the need for true hi-fi music reproduction in such diverse locations as doctors' offices, students' rooms, institutions, restaurants, even factories. Whether used as a conventional FM receiver, with a phonograph or tape deck, or with a microphone for paging, the solid-state MTA-20 "MusicCall" cleverly bridges the gap between audio and PA by combining the best of both.

Paging (breaking into the program with your message) is an extraordinary but simple option. Has its own built-in monitor speaker so you can hear your broadcast as you make it. Built-in preamplifier allows the use of magnetic cartridge-equipped changers for

true hi-fi reproduction. You get audio range response from 20 to 20,000 Hz for superb music realism. Separate volume controls let you adjust music and paging levels individually. Special built-in "Y" adapters allow stereo devices to be used monophonically.

Up to four 8 ohm speakers may be attached to separate terminals without complicated impedance worries. Rear panel AC convenience outlet. Extruded silver-aluminum front panel. Power output, 15 watts at 8 ohms. Compact 14x10x4" size. With factory-installed walnut cabinet, a \$20 value! Optional microphone built-in.

31 B 2019 X. Shpg. wt. 12 lbs. \$79.95
33 B 990. Microphone. 1 lb. \$19.95

Apollo FM-90 wireless hi-fi Mike and FM radio Transmitter

19⁹⁵



Broadcasts through FM radios up to 300 feet away! Auxiliary input and switch for recorder or phono. Volume and tuning controls. 2-way stand and 9-volt battery. 7 1/2 x 1 1/2 x 1 1/2".
33 B 1022. Shpg. wt. 3 lbs. \$19.95

First low-cost Music/Sound Level Meter ever

39⁹⁵

Adjust for perfect stereo balance . . . protect your ears



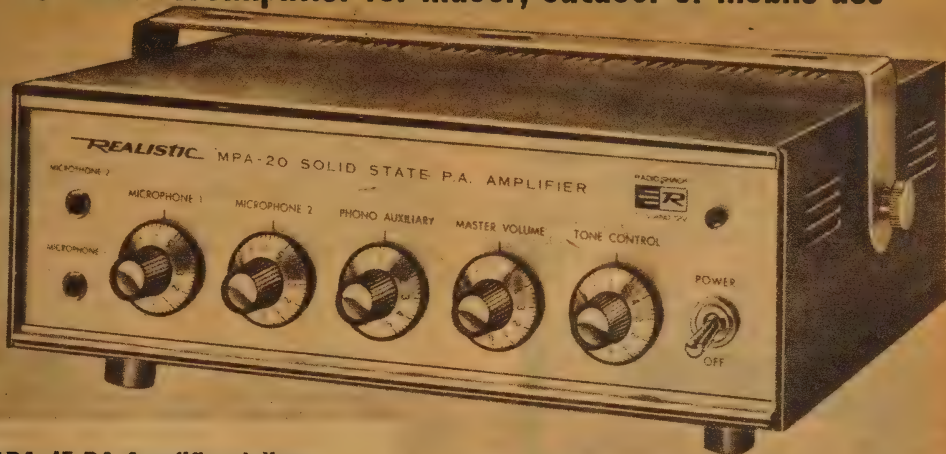
Protect your ears and see how loud "rock" music really is. The precision Realistic exclusive meter measures music or noise intensity levels. Use it in the home, office or factory—indoors or outdoors. Test stereo speakers for the most natural listening levels. Easy-to-read meter includes battery in convenient position. Measures from 60 to 120 dB in five 16 dB ranges. ±2 dB accuracy at 74 dB sound pressure level. Operates on one 9-volt battery (not included).

33 B 1028. Shpg. wt. 3 lbs. \$39.95
33 B 464 .9-Volt Battery. Shpg. wt. 3 oz. \$4.95 Each

Realistic 20-watt PA Amplifier for indoor, outdoor or mobile use

Mixing mike
each with
volume control

Volume controls
auxiliary and
phono plus
master volume
controls



Realistic MPA-45 PA Amplifier delivers
45 watts for long-range sound projection



99⁹⁵ Powerful unit has separate bass
and treble controls, four mixing
inputs plus output level meter

Power plus fabulous flexibility make the MPA-45 an out-
buy for all indoor/outdoor applications. Great for paging,
events, musical use in dance halls, wherever loud and
clear is needed. Solid-state circuit assures long-life and
dependable operation. Output meter helps prevent overloads.
Circuit protector prevents circuit damage if output is
excessive. Magnetic phono and auxiliary inputs have 2 phono jacks
stereo equipment. 14 solid-state devices. Controls include:
2 mixing mike 1, 2 and 3/phono, auxiliary and master; bass, treble,
and mike/phono switch (rear panel). Handsome extruded
aluminum front panel; black metal case. 15 1/2"x4x9 1/2". AC only.
32 B 2020 X. Shpg. wt. 16 lbs. **99.95**

SPECIFICATIONS

Power Output: 45 watts at 4, 8, 16 ohms; 25 and 70 volt line. Input
Impedance: microphone and mag. phono, 50,000 ohms; auxiliary,
100 K ohms. Sensitivity: microphone, 3 mV; mag. phono, 10 mV;
line, 250 mV. S/N Ratio, 60 dB. Response: 20-20,000 Hz, ± 1 dB.

Multi-purpose completely weatherized Powerhorns



Black and rust resistant
use in all weather

8-watt 5" model has 200-
13,000 Hz response, 12 watts
peak. 15-watt 8" model has
200-13,000 Hz response, peak
overloads up to 25 watts.
30-watt 12" model has 150-
13,000 Hz response, over-
load peak to 65 watts. 8 ohms
each. PA-5, 1 lb.; PA-8 5 1/2
lbs.; PA-12, 6 1/2 lbs.
40 B 1236, PA-5...Ea. 12.95
3-9 Ea. 10.95...10-40 Ea. 9.95
40 B 1237, PA-8...Ea. 19.95
3-9 Ea. 15.95...10-40 Ea. 13.95
40 B 1238, PA-12...Ea. 29.95
3-9 Ea. 24.95...10-40 Ea. 21.95

The MPA-20 operates on AC or 12 VDC,
indoors or out, for complete versatility

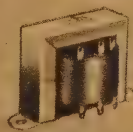
59⁹⁵ Gets your message
across on the road
or in the building

Conveniently operates on a dual power supply... has a
standard AC line cord plus a 12 VDC automobile cable that
plugs into the cigarette lighter. Automatic output protec-
tion and all solid-state circuit assure years of cool, reliable
service. It's perfect for sound trucks, temporary outdoor
PA or music systems—and indoor PA and music systems.
Outstanding features include 2 mixing microphone inputs,
each with volume control, auxiliary and phono inputs with
volume control, plus master volume and tone controls.
Full-feature with 4, 8 and 16 ohms plus 25 and 70 volt
line outputs. A heavy mobile mounting bracket is included
with quick release screws to allow the MPA-20 to be re-
moved and used in AC applications. 10 1/2"x3x7 1/2".
32 B 2020 X. Shpg. wt. 12 lbs. **59.95**

SPECIFICATIONS

Power Output: 20 watts at 4, 8, 16 ohms; 25 and 70 volt
line. Input Impedance: microphone, auxiliary and phono,
100 K ohms. Sensitivity: microphone 3 mV; auxiliary and
phono, 270 mV. Response: 20-20,000 Hz, ± 1 dB.

Realistic 70-volt Line Transformers



Five-watt Primary. 5, 2.5, 1.25, 0.62,
0.31 watts. Sec., 4 or 8 ohms.
32 B 1030. Shpg. wt. 1 lb. **2.49**
Ten-watt Primary. 10, 5, 2.5, 1.25, 0.62
watts. Secondary, 4 or 8 ohms.
32 B 1031. Shpg. wt. 1 1/2 lbs. **2.99**

Four-inch indoor/outdoor Powerhorn

795 Buy 2 for stereo
on the patio



Not a PA type horn speaker, but a
cone in a horn enclosure. A water-
proof, universal mounting full-fidelity
speaker with distortion-free sound.
Handles up to 5 watts. Mtg. brkt.
installs at any angle. 8 ohms.
40 B 1239. Shpg. wt. 4 lbs. **7.95**

Allied Radio Shack your PA headquarters

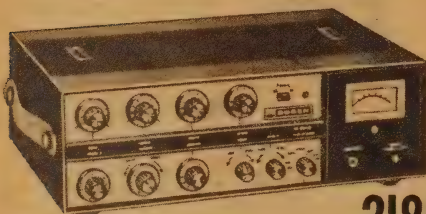
Bogen Public Address Equipment



Low as **118⁹⁹**



Low as **120⁹⁹**



218⁹⁹



Low as **218⁹⁹**

Challenger 100-watt solid-state PA Amplifier

Model CHS100. Two high or low-imp. mike inputs with faders and bridging inputs. All silicon transistors. Master volume, bass, treble controls. Frequency response: ± 2 dB, 40-20,000 Hz. Impedance: 2, 8 and 16 ohms; 25 and 70-volt balanced lines. $5\frac{1}{2} \times 15\frac{1}{2}$ " AC.

32 B 6006 U. Shpg. wt. 24 lbs.
32 B 6007 X. Model CHS50. 50 watt output. 4-ohm instead of output impedance. Shpg. wt. 21 lbs.
32 B 6008 X. Model CHS35. Same as CHS50, but 35 watt output silicon output stage. 12 VDC operation provision. Wt. 17 lbs.

Challenger 100-watt tube-type PA Amplifier

Model CHB100. Two high impedance mike inputs (no low impedance inputs) with separate controls, two auxiliary inputs with faders, magnetic phono input. Master volume, bass and treble controls. Internal protection against speaker shorting damage. High sensitivity with low hum and noise levels. (-70 dB mike, -aux.). Frequency response: ± 2 dB, 40-20,000 Hz. Impedance: 2, 8 and 16 ohms; 25 and 70-volt balanced lines. $6\frac{1}{2} \times 15\frac{1}{2} \times 10$ " AC.

32 B 6009 U. Shpg. wt. 25 lbs.
32 B 6010 U. Model CHB50. As above but 50 watt power. 22 lbs.

7-input Mixer-Preamp with speech filters

Model MXM-A. Five high-impedance mike inputs (convert 200 ohm with T200 transformer below; one converts to magnetic plus two auxiliary inputs. Speech filters, low frequency filter (Level meter. DC voltage on tube filaments; 3 silicon rectifier high-impedance cathode follower output. Bass, treble controls. Frequency response: ± 1 dB, 18-38,000 Hz. Output: High-impedance 4 volts at 1% distortion; 600 ohms, 4 volts. $4\frac{1}{2} \times 16\frac{1}{2} \times 12$ " AC.

32 B 6013 U. Shpg. wt. 23 lbs.
32 B 6014. Model T200. 200 ohm mike transformer. 2 lbs.
32 B 6015. Model TL600. 500/600 ohm line transformer. 2 lbs.

60-watt PA Amplifier with 5 mike inputs

Model MX60A. Five mike inputs (4 convert to low imp. with transformer above; one to mag. phono/tape) plus 2 aux. Mix, inputs. Master gain; bass, treble controls. Response: ± 1 dB, 10 Hz. Distortion: under 2% at 60 watts. Outputs: 4, 8 and 16 ohms balanced 25 and 70 V (83 ohms) line. $4\frac{1}{2} \times 16\frac{1}{2} \times 12$ " AC.

32 B 6011 U. Shpg. wt. 37 lbs.
32 B 6012 U. MX30A. 30-Watt Amplifier. Same as above but power and 163-ohm output instead of 83. Shpg. wt. 34 lbs.



**40-watt solid-state
Mobile Amplifier**

103⁰⁰

Model BT35A. Compact, solid-state amplifier ideal for any mobile application. Great for police, fire, CD, boat use. Delivers 40-watt continuous output. Switch-selected inputs, built-in RF and line filters, polarity protection. Inputs: 1 low-imp. mike, 1 aux. high level for tuner/tape/phono., 1 aux. high level (tone signal) accessory. Response: ± 3 dB, 150-15,000 Hz. Gain: mike, 110 dB; aux., 90 dB. Hum and noise: mike, -90 dB, aux., -95 dB. Controls: 1 mike, 1 aux., volume, selector switch. Output impedance: 4, 8 and 16 ohms. Fixed lock bracket, siren provision. $3 \times 8 \times 6\frac{1}{4}$ ". 12 VDC.

32 B 6017 X. Shpg. wt. 8 lbs. **103.00**



**100-watt Boost
Amplifier**

183⁵⁰ High capacity maximum application

Model MO100A. Ideal 100-watt system when used A above or any 2-volt output preamp mixer. For use in industrial plants, airports, stadiums, schools. Four outputs: 16 ohms, balanced 25, 70-volt line plus for industrial uses. Units may be paralleled to multiplier output. May be used as inexpensive variable audio generator for servos, motors, ultra-sonic tests. Response: 8-50,000 Hz at ± 1 dB. Inputs: high impedance megohms; low, 500/600 ohms. Power output: 100 watts than 2% distortion. Size, $8 \times 13 \times 6\frac{1}{2}$ ". AC.

32 B 6016 U. Shpg. wt. 33 lbs.

Allied® multi-use Dynamic Microphones and Outfits



NEW!

Pair in Case **29⁹⁵**

general-purpose Mike

A-2563. Omnidirectional pickup makes this mike an ideal for recording, interviews—application where sound must be picked up from more than one source. Dynamic mike hand-held, used with stand or mike, or as lavalier mike. Frequency response: 100-12,000 Hz. Output: -74 dB. High impedance. Polished aluminum case, 5x3x1 1/2". With 6 foot shielded and mounted phone plug. Shpg. wt. 3 1/2 lbs. **12.95**

the pair for stereo use

A-2563P. Two A-2563 mikes in protective case. A great select-low-cost stereo recording. Desk stands, neckbands and cases. Convenient form-fitted case protects mikes when carried. 12x8x3 1/4". Shpg. wt. 2 1/2 lbs. **29.95**



Each **19⁹⁵**

Pair in Case **49⁹⁵**

Allied omnidirectional Mike

Model 3311. Handsomely styled and quality constructed dynamic mike gives high performance. Comfortable functional styling makes mike fit securely in the hand. May be used as desk mike with stand included. Excellent 45-15,000 Hz frequency response. Impedance, 10,000 ohms. Output, -65 dB. On-off switch. 10 1/4 x 1 1/4" diameter. Chrome/black zinc die-cast housing. With phone plug, desk stand, stand coupler, mike holder, swivel mount, and 5-ft. 1-conductor cable. Shpg. wt. 1 1/2 lbs. **19.95**

Buy the pair for stereo use

Model 3311P. Two 3311 mikes in case, with all accessories listed above. A popular choice for quality and value. Beige high-impact polystyrene case has velvet-lined interior form-fitted to cradle mikes from damage. Size, 13 1/2 x 11 3/4 x 2 1/2". Shpg. wt. 6 lbs. **49.95**



Each **24⁹⁵**

Pair in Case **59⁹⁵**

Allied cardioid dynamic Mike

Model 3310. Ideal for entertainers. Also fine in recording applications. Highly effective unidirectional cardioid pick-up pattern suppresses audience noises, hall reverberation and feedback. Hand-held or can be mounted on standard 3/4"-27 stand or can be used with desk stand included. 40-16,000 Hz response. Impedance, 10,000 ohms. Output, -63 dB. 7 7/8 x 1 1/4" diameter. Satin/chrome housing. With phone plug, stand coupler, desk stand, swivel mount and 5 ft. 1-conductor cable. Shpg. wt. 1 1/2 lbs. **24.95**

Buy the pair for stereo use

Model 3310P. Two 3310 mikes in mar-resistant beige polystyrene case. Choose this package for the best of stereo recording. Case is velvet-lined to protect mikes from shocks which could cause internal damage. Steel latch. 13 1/2 x 11 3/4 x 2 1/2". Shpg. wt. 6 lbs. **59.95**

Electro-Voice high-performance Dynamic Microphones

631PCN Dynamic Vocal Microphone. The microphone is ideal for live performances, Public Address uses and recording applications. Silent magnetic on-off switch. Lightweight, rugged and shockproof. May be used in hand or on stand. Fourer permits close-up use without blast or distortion. Virtually unaffected by humidity or wind. Omnidirectional pickup. 80-13,000 Hz frequency response. Impedance only. Output: -55 dB. 6" x 1 1/2" diameter; 3/4" shank diameter. Shpg. wt. 3 lbs. **29.95**

Lightweight vocalist's mike delivers true sound

Model **631PCN**
29⁹⁵

627PCN Entertainer's Cardioid Dynamic Mike. Excellent moderately priced mike for performers and vocalists, public address recording. Single-D cardioid pickup pattern picks sound from rear or sides. Bass is accentuated as working distance is increased. Breath/pop filter. Weighs only 6 1/2 lbs. (less cable). 80-11,000 Hz response. Impedance: 150 ohms and high impedance. Output: -58 dB. 15' two-conductor cable. 1 1/2" long, 1 1/4" diameter head, 3/4" x 1/2" thread mounts to any standard stand. Satin chrome. Shpg. wt. 1 1/2 lbs. **29.95**

Professional capability in this Entertainer's Mike

Model **627PCN**
29⁹⁵



Realistic® Microphone set

13-piece Microphone System
for superb stereo recording

29⁹⁵

PRO-100. Go PRO! This dual-impedance stereo microphone system is designed for professional recording results with Realistic, Allied and most other reel cassette recorders. You get clean, natural sounding 100-10,000 Hz response.

Each of the two matched mikes have accessories: pop and noise eliminator, slide-on wind screen, table stand, stand adapter, lavalier neck cord, 20-ft. cable with standard phone plug plus 6-ft. cable with a molded phone plug.

These accessories are designed for every type of microphone use you would need. Impedances, 250 and 10,000 ohms. All parts are nested safely in our padded carrying case, 9 1/2"x11x3 1/4". **33 B 1024.** Shpg. wt. 1 1/2 lbs.1.89



Replacement Microphones for Cassette or reel-to-reel recorders



A Replacement Mike for Most Cassette Portables. Has miniature plug for audio. Both long and short subminiature plugs for on-off control—just use the one that fits. Impedance, 200 ohms. Fits Realistic models CTR-2, 3, 4, 5 and 7. **33 B 1031.** Shpg. wt. 1 lb.4.95

B Dynamic Cassette Replacement Microphone. Has dual connectors. Mini-plug for mike connection and sub-mini for recorders with on-off switch. Response, 150-10,000 Hz. Impedance, 200 ohms. With convenient desk stand. **33 B 1034.** Shpg. wt. 1/4 lb.3.49

C Lapel-Type Crystal Microphone. A perennial favorite! Hold in hand or snap to lapel or tie with a clip. Attaches to anything. Easily concealable—only 1/4" long. Response, 200-3000 Hz. With 10-ft. cord with molded mini-plug. **33 B 100.** Shpg. wt. 8 oz.1.89

D Harmonica Replacement Microphone. Get the sound you'd expect with costlier mikes from this low-priced high-impedance model. Crystal contact-type mike enhances sound of harmonica. Hook it up to your PA, radio or phono. **33 B 115.** Shpg. wt. 3 oz.1.49

E Cassette Replacement Microphone. Dynamic mike has its own stand. Dual connectors and mini-plug for mike connection. Sub-mini for recorders with on/off switch connection. Response, 200-5000 Hz. Impedance, 200 ohms. **33 B 1033.** Shpg. wt. 1/4 lb.2.49

F Cassette Replacement Microphone. Budget-priced, high-impedance dynamic mike can be used in hand or on desk—has its own built-in desk stand. Convenient built-in on-off switch. Response, 60-9000 Hz. 50,000 ohms. **33 B 935.** Shpg. wt. 8 oz.1.49



High-impedance Microphones

G "Lipstick" Crystal Microphone. 60-10,000 Hz response. On-off switch. 50,000 ohms. Standard 3/8"-27 thread for stand. 4 5/8"x1 1/8". With 5-ft. cable, neck cord. **33 B 907.** Shpg. wt. 1 lb.3.95

H Dynamic Microphone With Desk Stand. Mike holder is stand adapter when base is removed. Stand tilts 100°, swivels 360°. 40-9,000 Hz. 50,000 ohms. 4x3/4", 5 1/2-ft. cable. **33 B 918.** Shpg. wt. 2 lbs.8.95

I Dynamic Microphone With Desk Stand. Mike holder is stand adapter when base is removed. Stand tilts 100°, swivels 360°. 40-9,000 Hz. 50,000 ohms. 4x3/4", 5 1/2-ft. cable. **33 B 918.** Shpg. wt. 2 lbs.8.95

J Lavalier Dynamic Microphone. Pencil-thin (4x1"). Use as hand or desk mike. Neck cord and stand. 54" cable. On-off switch. High-impedance. Gray molded case. **33 B 928.** Shpg. wt. 2 lbs.6.95



Microphone Replacement Cartridges

K Crystal Cartridge. Response, 20-20,000 Hz. Sensitivity, -55 dB. 1 1/2"x1 1/2". **270 B 095.** Shpg. wt. 8 oz.8.95

L Magnet Mini-Cartridge. For use in place of kits. 2000 ohms. **270 B 098.** Shpg. wt. 6 oz.6.95

M Carbon Element Cartridge. 1 1/2"-6V. Imp., 200 ohms. 1 1/2"x1 1/2". **270 B 099.** Shpg. wt. 1/2 lb.6.95

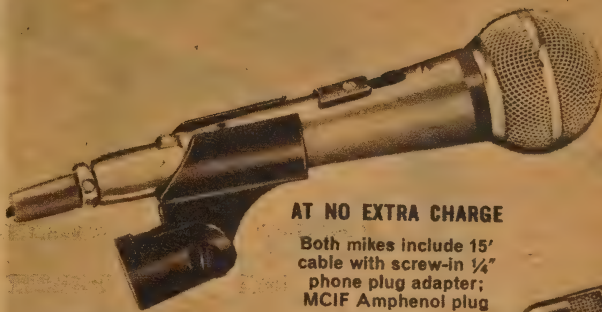
fidelity reproduction priced for every budget

"Highball" dynamic cardioid dual-impedance Microphone with special "pop" filter

Features a smooth wire mesh screen to protect against wind or explosive breath sound. Built-in on-off switch with "on" lock position. 50-15,000 Hz reproduction of music and voice. Won't echo in partial-filled halls. Suppresses feedback. Internal push-on switch—can't be accidentally switched. Dual impedance, 50-250 ohms. High impedance, 50,000 ohms. Cannon connector connects to mike body. \$9.83. Shpg. wt. 5 lbs. 39.95

Optimus M-1 super cardioid Microphone with satin-chrome machined steel case

Allied Radio Shack with its huge buying power can bring you a microphone of this top professional quality at such a low price. Use for recording live shows, PA and so on. Gives superb reproduction of music and music from 45 to 16,000 Hz. Three-pin Cannon-type connector connects to mike body. Dual impedance. Convenient on-off switch. Chrome wire mesh. Impedance of 40,000 ohms. \$10.19. Shpg. wt. 5 lbs. 49.95



AT NO EXTRA CHARGE

Both mikes include 15' cable with screw-in 1/4" phone plug adapter; MCIF Amphenol plug

39⁹⁵



49⁹⁵

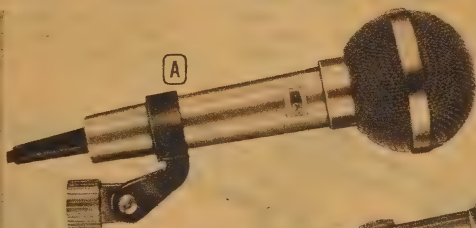
Realistic dual impedance Public Address/recording Microphones

"Studio" deluxe Cardioid microphone for vocal use

Professional-quality vocal microphone gives outstanding performance for on-stage recording or broadcast use. Dual impedance (250 and 10,000 ohms) for use with variety of amplifier inputs. Clean, natural sounding frequency response from 70 to 10,000 Hz. Special filter reduces annoying "s" and "booms" from sudden bursts of breath. On-off switch. Includes mike stand adapter. Rubber foot mount. Comes complete in vinyl carrying/storage case. 6-ft. shielded cable with plug. \$9.99. Shpg. wt. 3 lbs. 23.95



23⁹⁵



12⁹⁵



17⁹⁵

"Highball-2" Microphone with feedback filter

A Allied Radio Shack brings you excellent value with this dual-impedance microphone. Professional-quality features at a fraction of what you'd expect to pay. Ball screen eliminates annoying "pop" and "boom" created by sudden bursts of wind or breath. Special filter reduces feedback or "squeal." Dual impedance feature (250 and 50,000 ohms) allows use with a variety of inputs. 90 to 11,000 Hz. On-off switch. 6-ft. cable, plug. 33 B 985. Shpg. wt. 2 lbs. 12.95

Get-priced MC-1000 thin Microphone

A multi-purpose mike was designed to deliver great performance at a low budget-pleasing price. Quality-crafted especially for recording music or speech on cassette tape recorders but ideal for use with PA systems or reel-to-reel tape recorder. Can be used as desk microphone or as lavalier cord-type microphone. You get clean full-response from 100 to 10,000 Hz. Impedance, 10,000 ohms only. Includes 6-ft. cable and 1/4-inch phone plug. \$9.95. Shpg. wt. 1 lb. 9.95



Multi-purpose cardioid dynamic Microphone

B This quality-crafted dual-impedance mike was designed to give outstanding performance at a low price that can't be matched anywhere. Can be used for recording, PA and group use. Change impedance at the flick of a switch to match a wide variety of inputs (600 and 50,000 ohms). Switch mike on or off from convenient built-in switch. Great response from 80 to 12,000 Hz. Slide-on mike stand adapter. Mesh screen. With 6-ft. cable, molded phone plug and chrome die cast case. 33 B 992. Shpg. wt. 3 lbs. 17.95

Electro-Voice cardioid dynamic Mikes

NEW!



45⁹⁰

Single-D cardioid Mike

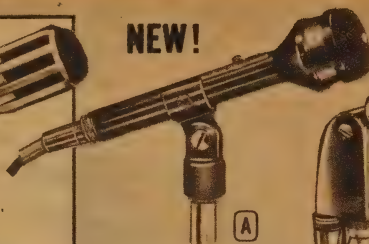
Model 670. Professional entertainers "Single D" cardioid microphone. Emphasizes low frequencies when used "close-up." Lightweight, brass-anodized aluminum case. Features unique air-damped shock mount to greatly reduce mechanical handling noises. Microphone head is user replaceable.

Switchcraft professional three-pin connector. Low or high impedance, easily selectable at the microphone. Response: 55-14,000 Hz. Output: -58 dB (low imp.), -59 dB (high imp.) 15' cable and stand clamp. 7½" long, 1¼" dia., 1" shank dia. Shpg. wt. 6 oz.

33 B 6127.....45.90

33 B 6154, Model 670V. As above, but with volume control.....**50.10**

NEW!



A "Hand-and-Stand" Mike

Model 627A. Excellent entertainers Single-D "hand-and-stand microphone." Lightweight, rugged construction, featuring built-in pop and dust filter. Smooth, peak-free response shaped for exceptional voice presence. With on-off switch. Black satin chrome finish. Response: 60-13,000 Hz. Output: -58 dB. High impedance. With cable, convenient stand clamp. Overall size, 6½x1½x¾" diameter. Shpg. wt. 8 oz.

33 B 6157.....36.00

Model 626. Similar to above, but for less exacting applications. Has 15' vinyl-insulated cable integral with microphone. Low or high impedance (unbalanced to ground), selectable at cable end. Response: 70-12,000 Hz. Output: -58 dB. With stand clamp, beige Micomatte finish. 6½x1½x¾" dia. Shpg. wt. 8½ oz.

33 B 6158.....29.40



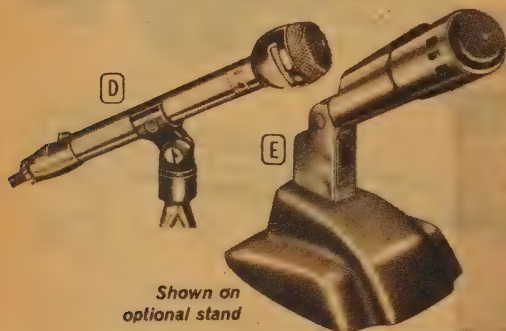
B Variable-D cardioid MI

Model 674. Continuously "Variable" feature assures symmetrical cardioid pattern at all frequencies. Ideal for recording, musical entertainment, communications uses. Provides maximum front-to-back ratio with uniform response. Three-position bass-tilt switch adjusts feedback control in public address recording. Response: 60-15,000 Hz (150 ohms) or high impedance. -57 dB. On-off switch. QC-4M connector for quick impedance change. 15' chrome finish. 7½x1½", ¾"-27 stud.

33 B 6129. Shpg. wt. 2 lbs.....

C Model 676. Similar to 674 microphone, less mounting stud and on-off switch. For use with stand mounting (supplied) so mike can easily be removed and hand-held during performance. Response: 60 to 15,000 Hz with low-frequency attenuation switch. Output: -57 dB. 1½" dia. (shank 1" dia.).

33 B 6130. Shpg. wt. 2 lbs.....



Shown on optional stand

D Super-cardioid dynamic Mike

Model RE15. Provides maximum rejection of unwanted off-axis noise. Off-axis response is symmetrical with front response to eliminate coloration. Bass-tilt switch restores spectrum balance for longer reach. 80-15,000 Hz. 150 ohms. -56 dB. 18' cable, metal case, stand adapter. 6½x1½".

33 B 6159. Shpg. wt. 4 lbs.....176.75

Model RE10. As above, for less demanding uses. 80-13,000 Hz. -55 dB.

33 B 6131. Shpg. wt. 3 lbs.....104.00

E Variable-D cardioid Mike

Model 664. Has variable-D cardioid pickup pattern. Pop-proof wire mesh grille. Shielded Acoustalloy diaphragm. 60-15,000 Hz. Low (150 ohms) or high impedance. Output -58 dB. On-off switch. With 15' cable, ¾"-27 thread. Chromed. Less stand. 7½x1½".

33 B 6132. Shpg. wt. 3 lbs.....53.40

Electro-Voice communications Mikes



F

F Model 205STCKK Differential Carbon Mike. Close-talking noise-canceling for aircraft and emergency communications with high intelligibility under noise. Blast-proof, waterproof, shock-resistant. Press-to-talk. 50 dB output. FAA approved. Black. 5' coiled cord. 4x2½x2".

33 B 6133. Shpg. wt. 1 lb.....

G Model 600E Dynamic Mike. Mobile mike with press-to-talk button. 100% response; -55 dB. High-impedance type for VOX; balanced low-impedance for open circuit paging. 8' coiled cord. Bracket. Gray. 2½x4x1½".

33 B 6134. High-impedance Type. Shpg. wt. 1 lb.....

33 B 6151. Balanced Low-impedance Type. Shpg. wt. 1 lb.....

H Model 714 Ceramic. Omnidirectional. 100-7,000 Hz. High-impedance. output. Push-to-talk. Blue. 3½x2½x1¼". With 5' cord, bracket.

33 B 6135. Shpg. wt. 1 lb.....

33 B 6153. Model 717. As above, but noise-canceling. Wt. 1 lb.....

ACCESSORIES FOR ELECTRO-VOICE MIKES

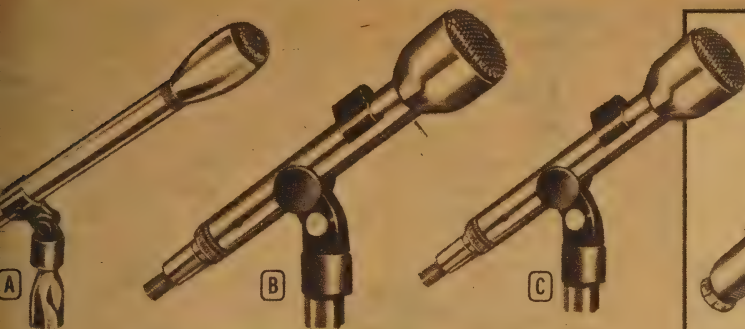
33 B 6136. Model 418 Desk Stand. For 611, 623, 674; 644, 646 w. small studs. 2½x4½x5½". 1 lb.....**9.75**

33 B 6137. Model 422 Desk Stand. For 1" and ¾" stand clamps. Protective shock mount. 3 lbs.....**12.50**

31 B 6139. Type 502B Transducer. Matches low-imp. mike to line input. With 30' cable. Wt. 3 lbs

33 B 6138. Type 376 Windscreen. Model 676 and 674 microphone. Wt. ½ lb.....

Electro-Voice omnidirectional, paging and lavalier Mikes



A Professional dynamic Mike

Model RE55. Omnidirectional response mike especially suited to full-range music and other exacting professional applications. For hand and stand use. Built-in blast filter. Response is extremely stable; mike can be calibrated as secondary lab standard. 40-20,000 Hz. 150 ohms. Output: -55 dB. 18' conductor cable. Nickel finish. $10\frac{1}{2} \times 1\frac{1}{2}$ " dia. Shpg. wt. 1 $\frac{1}{4}$ lbs. **148.75**

B Omnidirectional dynamic Mike

Model 33B. Deluxe omnidirectional dynamic mike for PA, recording and general purpose. Proof head, wide pickup range. Nearly impervious to damage from mechanical shock. Response: 60-13,000 Hz. Low (150 ohms) or high-impedance. Output: -55 dB. On-off switch. Satin chrome finish. $10\frac{1}{2}$ " long, including stud; $1\frac{1}{8}$ " dia. conductor cable, QC-4M connector. Shpg. wt. 2 lbs. **48.60**

C Hand-size dynamic Mike

Model 33B 6124. Ideal for vocal and instrumental entertaining, PA and recording. Silent on-off switch has removable actuator button; mike can be left on when switch is removed. Virtually unaffected by breath or wind. Omnidirectional pickup with 80-13,000 Hz response. Available with low or high impedance. Output: -55 dB. $6\frac{1}{2} \times 1\frac{1}{4}$ ". With 16' cord. **58.75**
Model 33 B 6124. Low-Impedance. Shpg. wt. 3 lbs. **58.75**
Model 33 B 6124. High-Impedance. Shpg. wt. 3 lbs. **58.75**



Model 649B Miniature Lavalier. For "walk-about" applications. 70-10,000 Hz. 150 ohms. -61 dB. "Pop" filter mesh grille. With lavalier cord, belt clamp, 30' cable, stand adapter. $3\frac{1}{2} \times \frac{1}{4}$ " diameter. Shpg. wt. 1 lb. **76.75**

Model 647A Dynamic Lavalier. Only 16 grams. Ideal for public speaking, etc. 70-10,000 Hz. Low imp. Output: -57 dB. 30' cable, QT finish. $2\frac{1}{2} \times \frac{1}{4}$ " dia. stand adapter. $3\frac{1}{2} \times \frac{1}{4}$ " dia. Shpg. wt. 1 lb. **54.00**

Model RE55 Noiseless Lavalier. All rubber isolation separation. Frequency response: 100-11,000 Hz. Low imp. Output: -57 dB. 30' cable, QT finish. $2\frac{1}{2} \times \frac{1}{4}$ " dia. Shpg. wt. 8 oz. **88.75**

G Model 619TR Transistorized Mike.

Features built-in transistor amplifier, speech compressor. Has separate level and compression degree controls. Grip-to-talk switch, relay operation. 150-10,000 Hz response. Output: High-imp., -42 dB; 300 ohms, -44 dB; 150 ohms, -58 dB. Die-cast gray stand, chrome plated head. 5' coiled cable. $4\frac{1}{4} \times 4\frac{3}{4} \times 9\frac{3}{4}$ " diameter. Shpg. wt. 3 lbs. **45.00**

H Model 651 Eyeglass Boom Professional Mike.

Allows hands free for sports announcing, weather broadcasts, etc. Only 16 grams. Comes with two mike tube lengths. Unchanging voice pickup. Small battery preamp clips to belt. Imp: 50-150 ohms switchable for low-imp., or hi-imp. input equipment. 80-8000 Hz. Cable, clip, convenient carrying case. Shpg. wt. 2 lbs. **60.00**



58⁷⁵
Model 635A

Performer's dynamic Mike

Model 635A. Widely-accepted professional omnidirectional mike for hand or stand use. Four-stage pop and blast filter eliminates need for external windscreen. Smooth shaped frequency response: 80-13,000 Hz. Low impedance. Output: -55 dB. Magnetically shielded diaphragm, turned-steel case. Cannon XLR-3-11 connectors. Non-reflecting nickel finish. $6\frac{1}{2} \times 1\frac{1}{8}$ " diameter. With 18' three-conductor cable and convenient stand adaptor. Shpg. wt. 1 lb. **58.75**

Model RE50. Similar to above, but for low instrumental broadcast and recording. Extremely low susceptibility to mechanical shock, handling and cord noise. Virtually self-screened wind for outdoor use even in high wind. 80-13,000 Hz. Output: -55 dB. Low imp. $7\frac{1}{2} \times 1\frac{1}{8}$ " dia. 12 oz. Shpg. wt. 1 lb. **80.00**

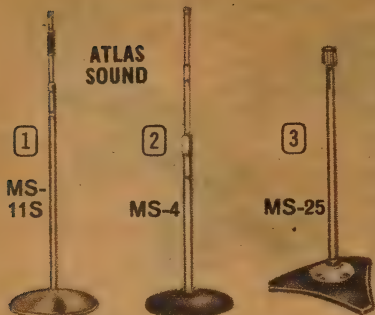
All-purpose dynamic Mike



70⁰⁰

Model 654A. All-purpose dynamic microphone, may be used with a stand, hand-held or as a lavalier. Perfect for all announcers, interviewers, or other demanding applications. Has a wide frequency response of 50-15,000 Hz. Superb voice reproduction. Matches all low impedance inputs. Output: -57 dB. Includes a built-in Cannon XLR-3 connector. Non-reflecting gray finish. Measures $6\frac{1}{8} \times 1\frac{1}{8}$ " maximum dia. 18' three-conductor cable. Comes with standard $\frac{1}{4}$ "-27 stand clamp and lavalier neck cord. Shpg. wt. 3 lbs. **70.00**

Microphone Stands and Accessories . . professional Mixers



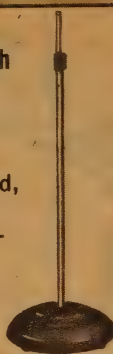
- 1 MS-11S Automatic Floor Stand.** Press control, tube lowers. Adjusts 39-62". All chromed. 10" base. Standard $\frac{1}{8}$ "-27 thread. 33 B 6106 X. Shpg. wt. 13 lbs.22.40
- 2 MS-4 Telescoping Floor Stand.** Adjusts 25-65". 3 sections. Chromed. 10" gray wrinkle base. Standard $\frac{1}{8}$ "-27 thread. 33 B 6107 X. Shpg. wt. 12 lbs.15.60
- 3 MS-25 Professional Floor Stand.** "Air Lock Cushion" controls drop of tube. Adjusts 38-67". 17" chromed and gray base. Chromed tube. Standard $\frac{1}{8}$ "-27 thread. 33 B 6108 X. Shpg. wt. 22 lbs.27.20

Stand has long
"Full Grip" clutch

g95

- Feature packed, low in price
- Long, easy-to-grip clutch
- Velvet-quiet slide action

REALISTIC



MS-100. Deluxe mike stand inner-lined with bakelite to prevent jamming, sudden dropping. 2-section chromed tube adjusts 35-63". 10" gray base; self leveling shock absorbing pads. With standard $\frac{1}{8}$ "-27 thread. Shpg. wt. 10 lbs.

33 B 320 X.9.95

MS100C. Above, but with all-chromed base. Wt. 13 lbs.

33 B 321 X.10.95



- 4 Realistic "Baby Boom" Stand.** Converts any floor stand $\frac{1}{8}$ "-27 thread to boom type. Adjustable counter balance. 31" long. 33 B 343 X. Wt. 3 $\frac{1}{2}$ lbs.
- 5 Atlas Sound CS-33 Take-Apart Stand.** Collapsible to 22". 26-64". Chromed. 20" base diameter feet. $\frac{1}{8}$ "-27 thread. 33 B 6109 X. Shpg. wt. 4 lbs.
- 6 Atlas Sound CS-52 Floor Stand.** Portable unit adjusts 34-62". Chromed tube. 2-piece gray shrivel 15" diameter. Standard $\frac{1}{8}$ "-27 thread. 33 B 6110 X. Shpg. wt. 9 lbs.

Realistic Desk Stands



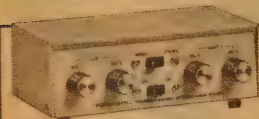
- 7 DS-5 Desk Stand.** An ideal choice for microphones that are used in a fixed location. Handsomely styled and low in cost. Chromed tube that holds microphone is four inches high. Attractive gray base measures six inches in diameter. Supplied with standard $\frac{1}{8}$ "-27 thread. 33 B 370. Shpg. wt. 3 lbs.2.99



- 8 Contemporary Desk Stand.** A desk stand styled in contemporary motif suited to modern settings. Streamlined appearance. Black base with scratch-protective felt pads. 3" polished upright. Standard $\frac{1}{8}$ "-27 thread. Shpg. wt. 2 lbs.2.70

Microphone and Stand Accessories

- 9 Lock-on Attachment.** Holds mike securely to stand, yet allows easy disconnection for hand use. Standard $\frac{1}{8}$ "-27 thread. 33 B 6114. Wt. 4 oz.3.60
- 10 Realistic Snap-on Mike Attachment.** Permits graceful, undistracting one-hand disconnection, connection to stand. Standard $\frac{1}{8}$ "-27 thread. 33 B 332. Wt. 1 lb.2.39
- 11 13" Flexible Gooseneck.** time-consuming adjustment. Moves mike to any angle. 33 B 330. Wt. 1 lb.
- 12 Slide-on Adapter.** Cradle design easily accommodates any hand mike for standard $\frac{1}{8}$ "-27 thread. High-impact plastic. 33 B 342. Wt. 1 lb.



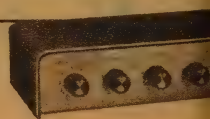
13 REALISTIC



17 SWITCHCRAFT



18 SWITCHCRAFT

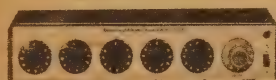


19 BOGEN

Microphone Mixers, Preamps, and Level Controllers



14 SHURE



15 SHURE



SWITCHCRAFT

16

- 13 Realistic Mixer.** High-imp. 4 inputs, 2 outputs. 6x3 $\frac{1}{2}$ x2 $\frac{1}{4}$ ". Order 9V battery. 33 B 920. Shpg. wt. 1 $\frac{1}{2}$ lbs.9.95
- 23 B 464.** 9V Battery. (1 required)35¢
- 14 Shure M62V Audio Controller.** Dual impedance. 500/100,000 Ω input, 10/500 output. With battery. 20-20,000 Hz. 2 $\frac{1}{2}$ x11 $\frac{1}{2}$ x5 $\frac{1}{2}$ ". 33 B 6145. Shpg. wt. 3 lbs.61.00
- 15 33 B 6146.** Shure M68 Mike Mixer. Monophonic. 4 inputs, 5 channels. Switched high-low in/output. Male Cannon XLR-3-14 inputs. 30-20,000 Hz. High-impedance aux. in/output. AC. 4 lbs.89.00
- 16 Switchcraft 503 Mike Preamp.** For solid state inputs. 40k/2k Ω input, 2k output. 6-25 dB gain. Battery, cable, plugs. 2x2x1". 33 B 6142. Shpg. wt. 4 oz.9.90

- 17 Switchcraft 306 Stereo Mixer.** 4 phonic channels to 2 stereo. High impedance. 4 input jacks, 2 phono outputs. 33 B 6140. Shpg. wt. 1 $\frac{1}{2}$ lbs.
- 33 B 6141.306T R.** Above, with battery, solid-state stereo amp. Wt. 1 $\frac{1}{2}$ lbs.
- 18 Switchcraft 307TR Mixer/Amplifier.** level mike inputs, 60 dB gain; 2 p dB; 4 aux., 20 dB. Up to 2V rms output. Requires 2 "D" batteries. 3 $\frac{1}{2}$ x12x7 $\frac{1}{2}$ ". 33 B 6143. Shpg. wt. 4 $\frac{1}{2}$ lbs.
- 33 B 6144.308TR.** Above, for AC.
- 19 Bogen MX6AT Mixer/Preamp.** 4 high or low-Z inputs. Separate control. 9 $\frac{1}{2}$ x6x2 $\frac{1}{2}$ ". AC. 32 B 6019 X. Shpg. wt. 6 lbs.

PA Sound Columns, Projectors, Stands and Megaphones

Popular Sound Column Values

Model SD-1064. Six 5" speakers. Dispersion: horiz., 120°; vert., 30°. 1600 Hz. 16 ohms. Walnut clear-guard vinyl cabinet. 17x3 1/2".
40 B 571 X. Shpg. wt. 10 lbs. **\$4.99**

Model MSD-1060. Six 8" speakers. Disp.: horiz., 120°; vert., 30°. 60 watts. Response: 100-10,000 Hz. 16 ohms. 50 1/2"x10 1/2"x8 1/2".
40 B 572 X. Shpg. wt. 40 lbs. **\$9.00**

Model SMD-3. Six 8" spkrs. Disp.: horiz., 120°; vert., 30°. 72 watts. 1000 Hz. 8 ohms. Walnut grain finish. 51x11x7 3/4".
40 B 573 U. Wt. 42 lbs. **\$9.99**

Electro-Voice LR4SA Straight Radiator. Restricts high-frequency disp. to cut feedback. Disp.: horiz., 160°; vert., 30°. 200-10,000 Hz. 8 ohms. Tan aluminum cabinet. 38 3/4"x6 1/4"x4 1/4".
40 B 574 U. Wt. 27 lbs. **\$108.00**



Allied® wide-dispersion Columns

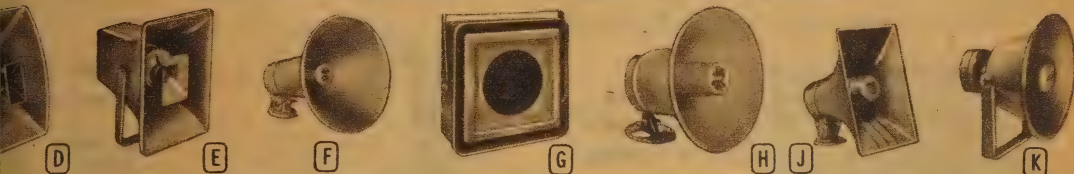
Six speakers for high intelligibility, response **69.95**

Model 3350. Six 6-inch speakers combine to deliver fine uniform sound over a wide 145° horizontal pattern (30° vertical). Improves PA coverage throughout entire theater or auditorium without reverberation or feedback. Full frequency range from 50-15,000 Hz. Sound projects to 250 feet (indoors). Hardy speaker voice coils handle even high power without distortion. 60 watts, 16 ohms. Easy installation. Walnut woodgrain vinyl cabinet suits any decor. 41x11x6".
40 B 5751 U. Wt. 44 lbs. **\$69.95**

Model 3300. Four 8" speakers. 25-watt cap. Disp.: horiz., 140°; vert., 45°. 60-11,000 Hz. 8 ohms. Walnut woodgrain vinyl cabinet. 41x11x6".
40 B 5753 U. Wt. 37 lbs. **\$39.95**



Electro-Voice weatherproof Projectors and Speakers



polyester horns are all tightly waterproof to make them for outdoor use. **Types 848ACDP and 847ACDP.** Combi-diffraction design with two horns for higher articulation power distortion without annoying response peaks. **Type 848ACDP.** General purpose speaker offers extreme smooth response better low reproduction for natural feedback-free paging, applied in medium-angle sound distribution conditions. **Type 847ACDP.** Compact wide range speaker with 12 inch driver for good bass response for faithful reproduction of sound. Dual-cone driver assembly for crisp highs for your extra ment. **Type 11A.** 1A type with high-frequency driver to bring response to 16,000 Hz. **Type PA-12.** For paging use where durability is a prime factor. **Type PA30A.** Rectangular paging horn

with ultra-smooth response for both voice and for true to life reproduction of any music. Use as outdoor extensions or office extensions and spread musical enjoyment. **Type PA30AT-7.** PA30A, but projector has integral 70.7-volt transformer for constant voltage PA system. Great for extra length extension PA or as a group of paging speakers spread throughout a given area. **Type PA30R.** Same design as PA30A but with round horn. **Type PA30RT-7.** PA30R with 70.7 volt transformer for constant voltage system requiring this type of setup. All have 120 degree dispersion, except Type 844A, 90 degrees. All are 8 ohms standard impedance and 30 watts power handling capability except Type 847ACDP, which is rated at 25 watts. Battleship gray.

Stock No.	Type No.	Fig.	Response	Size	Lbs.	EACH
40 B 575 X	848ACDP	D	150-10k	20 1/2 x 10 1/2 x 20"	16 1/4	57.00
40 B 576 X	847ACDP	E	250-10k	11 3/4 x 7 3/4 x 10 1/2"	10	39.30
40 B 577 X	844A	F	250-13k	7 1/2 x 9 1/2" dia.	13	27.00
40 B 578 U	1A	G	80-10k	21 1/2 x 21 1/2 x 8 1/2"	29	75.00
40 B 579 U	11A	G	80-16k	21 1/2 x 21 1/2 x 8 1/2"	31	94.50

Stock No.	Type No.	Fig.	Response	Size	Lbs.	EACH
40 B 6805 X	PA-12	H	325-14k	7 1/2 x 6 1/2"	5	16.20
40 B 6804 X	PA30A	J	250-14k	11 x 6 1/2 x 8 1/2"	4 1/2	23.70
40 B 6806 X	PA30AT	J	250-14k	11 x 6 1/2 x 8 1/2"	7 1/2	32.10
40 B 6760 X	PA30R	K	250-14k	9 3/4 x 10" dia.	6 3/4	25.20
40 B 6807 X	PA30RT	K	250-14k	9 3/4 x 10" dia.	7 1/2	32.40

Atlas Sound professional Horn and Column Stands

Model SS-4. For use with all medium weight speakers. "Easy Off" fitting quick mounting and removal of speakers. Stable cast iron base. Chrome tubing upright. 6-ft. high.
40 B 6111 X. Shpg. wt. 20 lbs. **\$22.00**

Model SS-2. Heavy-duty speaker stand. Superior base stability under severe wind conditions. "Easy Off" for quick mounting and removal. Fold-up tripod base. Adjusts 5-11 ft. high.
40 B 6112 X. Shpg. wt. 29 lbs. **\$42.00**

Model CSS-100 Column Stand. Completely stable collapsible column speaker stand. Ideal for portable installations. "Easy Off" casting: for quick assembly. Collapses to 41".
40 B 6113 X. Shpg. wt. 10 lbs. **\$33.20**



Speakers shown not included



Solid-state battery-power Megaphones

P Fanon MV-4S. Volume control. 300-yd. range. 4 watts (6 peak). Siren. 7 1/2" bell. 4 lbs.

33 B 6101 X. Order 4 "D" batteries. **\$46.95**

33 B 6148 X. Fanon MV-3. Hi-lo volume. 200 yds. 8 3/4" bell. Order 4 "D" batts. 4 lbs. **\$31.95**

23 B 466. "D" Batteries Wt. 6 oz. **Ea. 19¢**

R Fanon MV-8S. Volume control. 600-yd. range. 8 watts (10 peak). Built-in siren. Carrying strap. Order 6 "C" batteries below.

33 B 6147 X. Shpg. wt. 5 lbs. **\$63.99**

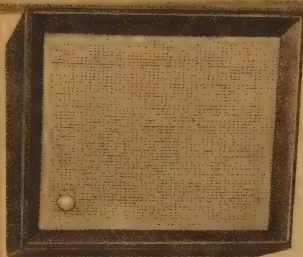
S Electro-Voice PM16EAC. Has external noise-canceling mike with on/off, volume controls. 650-yd. range. 10 watts (16 peak). Built-in siren. With carrying strap. 11 1/2" bell. Order 8 "C" batteries below.

33 B 6105 X. Shpg. wt. 6 lbs. **\$78.95**

23 B 467. "C" Batteries. Wt. 6 oz. **Ea. 17¢**

Radio Shack has all you'll need for PA Systems of any size

Utah Speakers and Baffles for every audio need



**Value-priced
hi-impact Baffle
with 8" Speaker**

**Low
as \$12⁹⁹**

**Tapered, with L-pad
Volume Control**

An unusually low price for a complete speaker-baffle combination with L-pad volume control. Pre-wired, ready to hang on the wall to complete your music/paging system. Rugged and attractive hi-impact styrene with molded-in walnut-grain finish for long-lasting beauty. 8-ohm speaker has Alnico V magnet, convenient screw terminals. Power handling capacity, 15 watts. Size, 10 $\frac{1}{2}$ " x 13 $\frac{1}{2}$ " x 6".

40 B 6762 X. Shpg. wt. 3 lbs. **12.99**
40 B 6802 X. Same as above, but with built-in 70.7 volt transformer. Has taps at 5, 2.5, 1.25, .62, .31 watts. Shpg. wt. 3 $\frac{1}{2}$ lbs. **14.99**



**Deluxe
Baffle with
8" Speaker**

**Low
as \$16⁵⁰**

**8-ohms
with L-pad,
Vol. Control**

Wall-mounting speaker specially designed to blend with any modern decor. Perfect for music or paging in the home or office. 8" speaker features smooth bass response, convenient L-pad volume control to adjust level at speakers as well as at amplifier. 8-ohm impedance. Highly efficient barium-ferrite magnet with 10-watt power handling capacity. Completely wired, easy to install. High-impact styrene with furniture quality walnut finish. Size, 10 $\frac{1}{2}$ " x 13 $\frac{1}{2}$ " x 6".

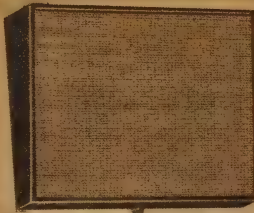
40 B 6763 X. Shpg. wt. 5 $\frac{1}{2}$ lbs. **16.50**
40 B 6764 X. Above, but with 70.7 volt transformer tapped at 10, 5, 2.5, 1.25 and .62 watts. Wt. 6 $\frac{1}{2}$ lbs. **19.50**

Space-saving trimline Speakers



All have internal dust seals. Number in Mfr's Type indicates speaker diameter. PA8JC-3 has coax. 3" tweeter, high-frequency diffuser. Impedance, 8 ohms. Screw terminals. Suffix "W" below indicates dual cones for a wider frequency response. All ceramic magnets.

Stock No.	Mfr's Type	Watts	Mag. Oz.	Depth In.	Wt. Lbs.	EACH		
						1-2	3-5	6-Up
40 B 6765	PA8ECS	8	3.0	1 $\frac{7}{8}$	1 $\frac{1}{2}$	6.45	5.90	5.40
40 B 6766	PA8FC	10	5.5	2 $\frac{3}{4}$	1 $\frac{3}{4}$	6.60	6.00	5.50
40 B 6767	PA8FC-W	10	5.5	2 $\frac{3}{4}$	1 $\frac{3}{4}$	6.90	6.20	5.70
40 B 6768	PA8HC	12	6.0	2 $\frac{3}{4}$	2 $\frac{1}{2}$	7.45	6.70	6.10
40 B 6769	PA8HC-W	12	6.0	2 $\frac{3}{4}$	2 $\frac{1}{2}$	7.70	6.98	6.40
40 B 6801	PA8JC-3	15	10.0	3	3	13.70	12.50	11.50
40 B 6770	PA8JC	15	10.0	3	3	7.99	7.20	6.60
40 B 6771	PA8JC-W	15	10.0	3	2 $\frac{3}{4}$	8.25	7.40	6.75
40 B 6772 X	PA12JC	18	10.0	4 $\frac{1}{16}$	4	9.99	9.05	8.30

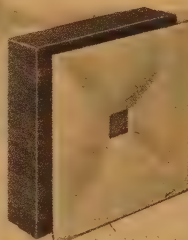


**Extra-thin Baffles
with 8" Speakers**

**Only 4" deep, yet
provide perfect
range and volume
for music and
paging systems**

8" shallow speaker with internal dust seal, barium-magnet. 8-ohms. 9x12x4". With hardware. "T" suffix in Type indicates with 70.7 volt transformer, tapped at 1, 1.25, .62, .31 watts. Transformerless types, 15 watts "V" suffix indicates with volume control.

Stock No.	Mfr's Type	Enclosure Finish	Lbs.
40 B 6773 X	TP8A-VT	Walnut-Finished Wood	4
40 B 6774 X	TP8D-T	Walnut-Finished Wood	4
40 B 6775 X	TP8B-V	Walnut-Finished Wood	3 $\frac{1}{2}$
40 B 6776 X	TP8C	Walnut-Finished Wood	3 $\frac{1}{2}$
40 B 6777 X	TS8A-VT	Walnut-Textured Vinyl	3 $\frac{1}{2}$
40 B 6778 X	TS8D-T	Walnut-Textured Vinyl	3 $\frac{1}{2}$
40 B 6803 X	TS8B-V	Walnut-Textured Vinyl	3
40 B 6780 X	TS8C	Walnut-Textured Vinyl	3

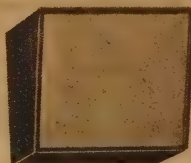


**New! Wide-dispers
omnidirectional Baffle**

**With Volume
Control \$19⁷⁵**

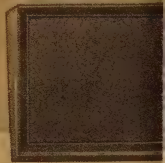
**360° radiated sound
to fill any room**

Model OM-10. Superb distribution of reflected sound on shelf or wall. Vol. control. 8-ohms. Walnut. 11x11x4"
40 B 6781 X. Shpg. wt. 5 lbs.
40 B 6782 X. Model OM-10T. Above but with 70.7 V former and taps for 5, 2.5, 1.25, .62 and .31 watts. wt. 6 lbs.



**Sloping Baffle with
9-watt 8" Speaker**

Designed for best dispersion angle. 8-ohm speaker has 1.47-oz. Alnico V magnet. Screw terminals. Walnut fabric cover. 9x11x6". Shpg. wt. 4 lbs.
40 B 6783 X. **9.99**



**Attractive low-cost
Baffle for 8" Speaker**

Furniture grade styrene molded walnut grain.visions for volume control transformer. 10 $\frac{1}{2}$ "x13 $\frac{1}{2}$ " Less speaker (below). Shpg. wt. 2 lbs.
40 B 6784 X.

Low-cost line-to-voice-coil Transformers

Permit driving speakers at various power levels from 50 or 25-volt line. Select desired power tap on transformer not affect other speakers in system. Imp., W. figures on coil. 2" mounting centers except *2 $\frac{3}{4}$ ". 1 lb.

Stock No.	Watt Taps	Line Volts	Imp. Ohms	E
32 B 6001	5, 2.5, 1.25, .62, .31	70.7	8, 4	2.60
32 B 6003	10, 5, 2.5, 1.25, .62	70.7	16, 8, 4	3.04
32 B 6018	18, 9, 4.5, 2.25, 1.12	70.7	16, 8, 4	3.99
32 B 6005	10, 5, 2.5, 1.25, .62*	25	16, 8, 4	3.88

Realistic® and Argos for the "Sound of Music" in every room

Stylish Baffles with 8" Speakers

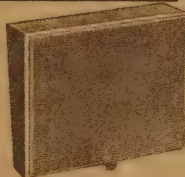
Series 508. Ruggedly constructed with tastefully styled baffles completely covered with heavy-duty 8" speakers. 6-oz. magnet, 15-watt handling capacity. 8" "L" L-pad; "T", 70.7-V transformer. Available in handsome walnut-wood veneer.



Stock No.	Mfr's Type	Baffle Size	Wt., Lbs.	EACH	
				1-5	6-Up
6786 X	508CS	9½x11x5¼"	6	16.50	15.70
6787 X	508CSL	9½x11x5¼"	7	19.50	18.55
6788 X	508CSLT	9½x11x5¼"	7	22.99	21.85

Baffles with 8" or 12" Speakers

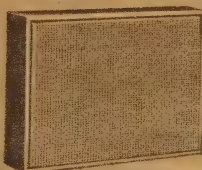
For PA paging or background music. Walnut grain covering, screw terminals. "L" in Model No., L-pad; "V," Volume control; "T," 70.7-V transformer. 8" except 70.7-V types. Series 108, 8" 6-W cap. 408, 8" spkr., 10-W cap. 2" spkr., 20-W cap.



Stock No.	Model	Baffle Size	Wt., Lbs.	EACH	
				1-5	6-Up
6789 X	WB108CS	9½x12x4¼"	4	10.99	10.45
6790 X	WB108CSV	9½x12x4¼"	5	13.99	13.30
6791 X	WB408CS	9½x12x4¼"	5	13.99	13.30
6792 X	WB408CSL	9½x12x4¼"	6	16.99	16.15
6793 X	WB408CSLT	9½x12x4¼"	6	20.00	19.00
6794 X	WB212CSL	13½x16x6¼"	10	23.50	22.35

Multi-use Extension Speakers

PAT-10. Carries music or the outdoors, permanently. Redwood waterproof construction for year-round use. Moisture resistant 8" dual speaker has 10-watt power cap. Volume control. 14x10½x3½". Series 95 X. Shpg. wt. 5½ lbs.19.75



Realistic 8" Speaker and Baffle

895

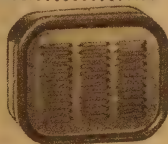
No need to mount speaker . . . It's already installed

Sound without the bother of installation. High-quality 8" speaker attractively mounted in a sleek walnut wall mounting that's perfect for a PA speaker or extension speaker. Includes prewired L-pad and volume control.

9 X. Shpg. wt. 4 lbs.8.95

Realistic indoor/floor Speaker

595



For great sound in the car, garage, anywhere. Rugged model is completely moisture-proof. Portable 4" speaker with heavy-duty Alnico V magnet. Durable red-finish steel case. Hole slots for terminals for easy mounting.

29. Shpg. wt. 1½ lbs.5.95

8" Speaker System with wide range sound, decor style

1575

Custom finished, ¾" birch cabinet



Argos XB-58-SV. Here's modern styling in hand-finished birch cabinet with clean sculptured elegance. Ideal for classrooms, offices, other uses. Features dual cone speaker with powerful 5-ounce magnet. Volume control. Linen grille. 10 watt cap. Birch cabinet. 9½x11x1½".

40 B 6796 X. Shpg. wt. 6 lbs.15.75

Wall-mount birch Baffles

Argos. Durable cane grille for smart appearance. Walnut finish enhances any setting. Includes all necessary mounting hardware. Less speaker; order from page 240.

Stock No.	Model	Size	For	Wt., Lbs.	EACH	
					1-5	6-Up
40 B 6797 X	DWB-8A	10½x9¾x6½"	8"	3¼	7.99	7.60
40 B 6798 X	DWB-12A	14x13½x9½"	12"	5	11.50	10.99

Slant-front corner-mount Baffles

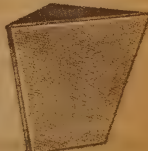
Features "clip-in" front. Bass reflex design. Walnut grain. Less spkr., order from page 240.

40 B 6799 X. SCB-8D. 8". Shpg. wt. 5½ lbs.

1-5Each 12.99 6-UpEach 12.35

40 B 6800 X. SCB-12D. 12". Shpg. wt. 8 lbs.

1-5Each 17.75 6-UpEach 16.90



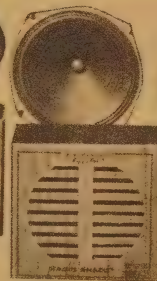
Realistic Baffle-Pak™ Speakers



A 895



B 595



C 695



D 495

Four different sizes to use in or out of the box

Our exclusive heavy-duty ceramic magnet Baffle-Pak™ speakers come in sturdy wood-grained Kraft boxes that double as speaker enclosures. All have 6-ft. cables attached. The ideal choice for extension speakers or as general replacements, they may be

A 40 B 1283. 12" Speaker. 22 watts; 6 oz. magnet. 5 lbs.8.95

B 40 B 1282. 6x9" Speaker. 18 watts. 3 oz. magnet. 2 lbs.5.95

removed from cartons and built into enclosures at any time. Cartons have convenient hang-up tabs for wall mounting. Use 5" or 6x9" Baffle-Paks for improved car stereo. Use the 8" or 12" Baffle-Paks for PA systems, TV, tape recorders, radio or phono.

C 40 B 1280. 8" Speaker. 18 watts; 3 oz. magnet. 3 lbs.6.95

D 40 B 1281. 5" Speaker. 15 watts; 3 oz. magnet. 2 lbs.4.95



Replace it yourself and save

Change weak and worn-out tubes with Realistic's Lifetime Replacements

REALISTIC LIFETIME TUBE SUBSTITUTION GUIDE



Covers 700 types of receiving tubes compatible with Realistic Direct Replacement Lifetime Tubes

- Mechanically interchangeable • Electrically replaceable
- Same high quality performers as original tubes
- Guaranteed for life against operational failure

Lifetime Tubes are:

To be Replaced	Replacement Type	To be Replaced	Replacement Type	To be Replaced	Replacement Type	To be Replaced	Replacement Type	To be Replaced	Replacement Type
1A4F	1U4*	5Z4MG	5Y3GT	6CE5	5AK5/EF95*	6JL6	6EW6	12AX4GT	12AX4GTB
1A4S	1R5*	6AF4	6DZ4/6AF4A	6CG6	6BA6/EF93	6JM6	6J1M6A	12AX4GTA	12AX4GTA
1A93	1J3	6AH6	6AHE	6CG8	6CG8A	6J56	6J56B	12AX7	12AX7A/E
1BY2	1AD2	6AK5	6AG5*	6CK3	6CJ3/6DW4B/6CL3	6J56A	6J56B	12AY3	12DW4A
1BN5	1U5	6AK8	5T8A	6CL3	6CJ3/6DW4B/6CL3	6JU9	6JU8A	12AY3A	12DW4A
1N2	1K3/1J3	6AM8	6AM8A	6CL8	6CL8A	6JV8	6AW8A	12BD6	12BA6
1N2A	1K3/1J3	6AN8	6AN8A	6CQ4	6DE4	6K6	6K6GT	12BH7	12BH7A
2BA2	2AV2	6AQ5	6HG5/6AQ5A	6CS6	6BE6	6K6GT/G	6K6GT	12BK6	12AT6
2EA5	2CY5	6AQ6	6AV6*	6CW4	6DS4	6K78	6BU8	12BQ6GT	12CQ6B
2EF5	2CY5	6AT6	6AV6	6DA4	6AX4GTB	6KR8	6J78	12BS3	12DW4A
2FH5	2GK5/2FQ5A	6AU4GT	6AU4GTA	6DC6	6CF6/6CB6A	6KR8A	6J78	12BT6	12DW4A
2FQ5	2GK5/2FQ5A	6AU5	6AU5A	6DG6GT	6W6GT	6KS8	6J78	12CK3	12DW4A
2FY5	2GK5/2FQ5A	6AU8	6AU8A	6DK6	6CF6/6CB6A	6KY8	6J78	12CL3	12DW4A
3BA6*	3AU6	6AW6	6CF6/6CB6A	6DN6	6CD6GA	6KY8A	6KY8A	12CS6	12BE6
3BL2	3AT2	6AW8	6AW8A	6DQ4	6DE4*	6L6	6L6C	12CU6	12CQ6B
3BM2	3AT2	6AX4GT	6AX4GTB	6DQ6	6CW6/6DQ6B	6L6A	6L6C	12D4	12AX4GTB
3BN2	3AT2	6AX4GTA	6AX4GTB	6DQ6A	6CW6/6DQ6B	6L6G	6L6C	12DF7	12AX7A/1
3C4	3V4*	6AX8	6EA8	6DT6	6DT6A	6L6GA	6L6C	12DM5	12CU5/12
3CA3	3A3/3AW3	6AY3	6BS3A/6AY3B	6DW4	6CJ3/6DW4B/6CL3	6L6GB	6L6C	12DM7	12AX7A/1
3DT6	3DT6A	6AY3A	6BS3A/6AY3B	6DW4A	6CJ3/6DW4B/6CL3	6LB8	6J78	12DQ6	12CQ6B
3E5	3V4	6BA3	6BS3A/6AY3B	6DY5	6CW5/EL86*	6LY8	6J78	12DQ6A	12CQ6B
3F5	3GK5	6BA8	6AU8A	6EB5	6AL5	6M8	6U8A/6KD8	12DQ7	12BY7A/1
3FQ5A	3GK5	6BA8A	6AU8A	6EL4	6EL4A/6BK4C	6M8K	6H8S	12DT7	12AX7A/1
3HK5	3HM5/3HA5	6BC5	6AG5	6ES8	6DJ8	6M8K	6EA8*	12GN7	12CQ6B
3HQ5	3HM5/3HA5	6BD6	6BA6/EF93	6EX6	6CQ6GA	6R3	6AF3*	12GW6	12CQ6B
4DT6	4DT6A	6BH3	6CJ3/6DW4B/6CL3*	6FH5	6GK5/6FQ5A	6R8	6T8A	12SK7	12SK7GT
4J16	4R26	6BH6	6AU8A	6FH6	6GW6/6DQ6B	6S4	6S4A	12SK7G	12SK7GT
4J18	4G57*	6BJ3	6AX3	6FQ5	6GK5/6FQ5A	6SL7A	6SL7GT	12SN7GT	12SN7GT
5A54	5U4GB	6BJ6A	6BJ6	6FW8	6DJ8*	6SN7A	6SN7GTB	12SQ7	12SQ7GT
5A54A	5U4GB	6BK4A	6EL4A/6BK4C	6GA8	6FQ7/6CG7*	6SN7GT	6SN7GTB	12SQ7G	12SQ7GT
5AU4	5U4GB	6BK4B	6EL4A/6BK4C	6GF5	6GE5	6SN7GTA	6SN7GTB	12SX7	12SN7GT
5AX4	5Y3GT	6BK7	6BK7B	6GF7	6GF7A	6T8	6T8A	13FR7	13DR7
5AZ4	5Y3GT	6BK7A	6BK7B	6GH8	6GH8A	6U4GTB	6U4GTB	15FM7/1	15FM7/1
5BK7	4BQ7A	6BL4	6AU4GTA*	6GJ8	6U8A/6KD8	6U8	6U8A/6KD8	16A5	15CW5/P
5CC4	5Y3GT	6BL7GT	6BL7GT	6GL7	6EM7/6EA7	6V6	6VG6TA	17BQ6GTB	17GW6/1
5CL8	5CL8A	6BM5	6HG5/6AQ5A	6GS8	6BU8	6V6G	6VG6TA	17CK3	17DW4A
5DBA	5U4GB	6BN4	6BN4A	6HC8	6CBM8/ECL82*	6V6GT	6V6GT	17CL3	17DW4A
5FG7	5CG8	6BQ6G	6CU6/6BQ6GTB	6HF8	6CX8	6W4GT	6W4GT	17DQ6	17GW6/1
5GH8	5U8/5EA8	6BQ6GA	6CU6/6BQ6GTB	6HJ8	6AM8A	6W6	6W6GT	17DQ6A	17GW6/1
5GX7	5GJ7/LCF801	6BQ6GT	6CU6/6BQ6GTB	6HK5	6HQ5	6X8	6X8A	17JB6	17JB6A
5R4GA	5U4GB	6BQ6GTA	6CU6/6BQ6GTB	6HK8	6BZ7/6BQ7A	8A8	8A8	25L6	25L6GT
5R4GT	5U4GB	6BQ7	6BZ7/6BQ7A	6HM6	6J6C	8AU8	8AU8A	25W6	25W6GT
5R4G	5U4GB	6BR3	6AL3*	6HQ6	6CF6/6CB6A	8BA8A	8BA8A	30A5	35C5
5R4GYA	5U4GB	6BS3	6BS3A/6AY3B	6HT6	6J6C	8BH8	8AW8A	33GV7	33GV7GT
5R4GYB	5U4GB	6BS8	6BZ7/6BQ7A	6HV5	6HS5	8JY8	8AW8A	35Z5	35Z5GT
5T4	5AR4/GZ34	6BT8	6AV6	6H28	6GN8/6EB8*	8K8A	8AW8A	35Z5G	35Z5GT
5V3	5U4GB	6BU8A	6BU8	6J6	6J6A	10EB8	10GN8	38H7	38H7GT
5V4G	5AR4/GZ34	6BW3	6AX3	6JA8	6CX8	10HF8	10GN8	50CA5	50EH5
5V4GA	5AR4/GZ34	6BX7	6BZ7/6BQ7A	6JB6	6JB6A	10JA8	10GN8	50L6G	50L6GT
5V4GY	5AR4/GZ34	6BX8	6BZ7/6BQ7A	6JD6	6J6C	10JY8	10GN8	58B1	61GGC
5Y3	5Y3GT	6BY6	6BE6	6JE6	6LQ6/6JE6C	10KR8	11KV8	7189	7189A
5Y3GA	5Y3GT	6BZ3	6CG3/6GE3/6CD3	6JE6A	6LQ6/6JE6C	10LB8	11KV8	7408	6V6GTA
5Y3GT/G	5Y3GT	6CA5	6AS5*	6JE6B	6LQ6/6JE6C	10LW8	11KV8	7543	6AUGA
5Z4	5Y3GT	6CB6	6CF6/6CB6A	6JE8	6GN8/6GB8	10LZ8	10GN8	7581	61GGC
5Z4GT	5Y3GT	6CD6G	6CD6GA	6JF6	6KM6	11JE8	10GN8	7591	7591A
5Z4GT/G	5Y3GT	6CC3	6CG3/6CE3/6CD3	6JK6	6EW6	12AD7	12AX7A/ECC83*		



6⁸⁵

Realistic lifetime guaranteed AC/DC 5-tube pack

2 for
99¢

Contains 5 tubes used in most AC/DC radios. One each of 12AV6, 12BA6, 12BE6, 35W6 and 50C5. Cost separately is \$9.94. Save \$2.20. Buy two and save \$6.35.

24 B 4000. Shpg. wt. 1 lb.

No one but Allied Radio Shack offers you Realistic® Fail-Safe Lifetime Tubes

Only Realistic tubes have 24K gold clad contacts



Guaranteed* to last as long as your set or we'll replace it **FREE!**

When ordering, please be sure to specify Dept. No. 24 B and Tube Type. Example: 24 B 0Z4.

*Except for physical damage

Tube Type	EACH		Tube Type	EACH		Tube Type	EACH		Tube Type	EACH		
	1-5	6-Up		1-5	6-Up		1-5	6-Up		1-5	6-Up	
33GT	2.39	2.19	6B10	2.89	2.69	6GM6	2.49	2.29	11BM8	3.99	3.59	
	2.39	2.19	6BA6/EF93	1.89	1.69	6GN8/6EB8	3.79	3.59	11KV8	5.29	5.09	
	Use 1G3/1B3GT		6BA11	3.59	3.39	6GS7	2.99	2.79	12AT6	1.99	1.79	
	2.19	1.99	6BC8	Use 6BZ8/6BC8	2.29	2.19	6GU7	3.09	2.89	12AT7/ECC81	2.99	2.79
	2.39	2.19	6BE3/6BZ3			6GV5	3.09	2.89	12AU6	2.29	2.09	
3	Use 1K3/1J3GT		6BE6	2.09	1.99	6GW6/6DQ6B	3.69	3.49	12AU7A/ECC82	2.19	1.99	
	2.39	2.19	6BH6	2.69	2.49	6GW8/ECL86	2.79	2.59	12AV6	1.79	1.59	
	2.79	2.59	6BH11	4.09	3.89	6GX6	Use 6GY6/6GX6	3.19	3.09	12AV7	3.29	3.09
	2.39	2.19	6BJ6	2.69	2.49	6GX7	3.19	3.09	12AX4GTB	2.69	2.49	
	1.99	1.79	6BK4C	Use 6EL4A/6BK4C		6GY6/6GX6	2.19	2.09	12AX7A/ECC83	1.99	1.79	
X2A	Use 1X2B/1X2A		6BK7B	3.09	2.89	6HA5	Use 6HMS/6HA5	2.89	2.69			
	2.39	2.19	6BL7GTA	4.49	4.29	6HB7	3.09	2.89	12BA6	1.99	1.79	
	2.79	2.49	6BL8/ECF80	1.99	1.79	6HE5	3.39	3.19	12BE6	2.09	1.89	
	1.99	1.79	6BM8/ECL82	2.49	2.29	6HF5	7.99	7.49	12BH7A	2.49	2.29	
	2.99	2.79	6BN4A	2.99	2.79	6HGS/6AQ5A	2.09	1.89	12BV7	Use 12BY7A/12BV7		
RFQ5A W3	Use 2GK5/2FQ5A		6BN6	2.69	2.49	6HMS/6HA5	2.99	2.79	12BV7A/12BV7	2.79	2.59	
	2.89	2.69	6BN8	2.39	2.19	6HQ5	3.39	3.19	12C5	Use 12CU5/12C5		
	2.39	2.19	6BQ5/EL84	2.59	2.39	6HS5	6.69	6.49	12CU5/12C5	3.19	2.99	
	2.79	2.59	6BQ6GTB	Use 6CU6/6BQ6GTB		6HS8	3.19	2.99	12DQ6B	3.89	3.69	
	2.79	2.59	6BQ7A	Use 6BZ7/6BQ7A		6HZ6	1.99	1.79	12DW4A	2.99	2.79	
CB6	Use 3A3/3AW3		6BS3A/6AY3B	2.59	2.39	6J6A	3.09	2.99	12GN7A	4.29	4.09	
	2.79	2.59	6BU8	3.09	2.89	6J10	Use 6Z10/6J10	12HG7	4.29	4.09		
	2.29	2.09	6BZ6	2.09	1.99	6JB6A	5.29	5.09	12HL7	3.99	3.79	
	Use 3CF6/3CB6		6BZ7/6BQ7A	3.09	2.89	6JC6	2.99	2.79	12SK7GT	3.49	3.29	
	1.99	1.79	6BZ8/6BC8	2.99	2.79	6JEC6	Use 6LQ6/6JEC6	12SN7GTA	3.19	2.99		
3HA5	3.29	3.09	6C4	2.29	2.09	6JH6	2.49	2.29	12SQ7GT	4.29	4.09	
	4.29	4.09	6CA4/EZ81	2.19	1.99	6JM6A	3.99	3.79	13DR7	4.29	4.09	
	2.19	1.99	6CA7/EL34	4.69	4.29	6JS6B	6.19	5.99	13EM7/15EA7	4.49	4.29	
	2.79	2.59	6CB6A	Use 6CF6/6CB6A		6JT8	3.09	2.89	15CW5/PL84	2.09	1.89	
	Use 3HM5/3HA5		6CD6GA	5.69	5.49	6JU8A	3.09	2.89	15EA7	Use 13EM7/15EA7		
F183	2.69	2.49	6CF6/6CB6A	2.09	1.89	6JW8/ECF802	2.29	2.09	15KV8A	4.89	4.69	
	2.59	2.39	6CG3/6CE3/6CD3	2.89	2.69	6K6GT	2.49	2.29	16AQ3	2.59	2.49	
	2.19	1.99	6CG7	Use 6FQ7/6CG7		6KA8A	3.59	3.39	17AY3A	Use 17BS3A/17AY3A		
	2.29	2.09	6CG8A	3.29	3.09	6KD6	7.49	7.29	17BF11	4.89	4.69	
	2.29	2.09	6CJ3/6DW4B/6CL3	2.79	2.59	6KD8	Use 6U8/6KD8	17BR3	2.99	2.79		
F184	2.29	2.09	6CL8A	3.39	3.19	6KE8	4.99	4.79	17BS3A/17AY3A	2.89	2.69	
	2.99	2.79	6CM7	2.59	2.39	6KM6	7.49	7.29	17C5	Use 17CU5/17C5		
	2.99	2.79	6CQ8	2.69	2.49	6KT8	3.99	3.79	17CU5/17C5	2.69	2.49	
	3.19	3.09	6CU5	2.39	2.19	6KY8A	6.29	6.09	17DQ6B	Use 17GW6/17DQ6B		
	2.59	2.39	6CU6/6BQ6GTB	3.39	3.19	6KZ8	2.89	2.69	17DW4A	3.09	2.89	
CF801	3.29	3.09	6CW5/EL86	2.19	1.99	6LB6	7.49	7.29	17GW6/17DQ6B	3.99	3.79	
	Use 5U8/5EA8		6CX8	3.99	3.79	6L6GC	4.79	4.59	17JB6A	4.99	4.79	
	1.99	1.79	6CY5	3.19	3.09	6LF8	3.39	3.19	17JZ8	2.79	2.59	
	2.99	2.79	6CZ5	3.89	3.69	6LM8	3.19	2.99	19T8	3.89	3.69	
	3.79	3.59	6DE4	2.79	2.59	6LN8/LCF80	1.99	1.79	20AQ3/LY88	2.79	2.59	
A8	2.89	2.69	6DE6	2.49	2.29	6LQ6/6JE6C	7.29	7.09	21GV5	3.89	3.69	
	1.99	1.79	6DJ8	3.89	3.59	6LT8	2.99	2.79	21LR8	3.69	3.49	
	2.99	2.79	6DN7	3.69	3.49	6LX8/LCF802	2.09	1.99	21JS6A	7.99	7.39	
	1.89	1.69	6DQ5	6.49	6.29	6MD8	3.99	3.79	22BW3	3.49	3.29	
	2.59	2.39	6DQ6B	Use 6GW6/6DQ6B		6ME8	4.09	3.89	22JF6A	5.99	5.79	
T EF95	2.59	2.39	6DS4	3.09	2.99	6S4A	2.39	2.19	22JU6	5.49	5.29	
	Use 6DZ4/6AF4A		6DT6A	1.99	1.79	6SL7GT	3.99	3.79	23JS6A	7.99	7.39	
	3.09	2.89	6DX8/ECL84	2.69	2.49	6SN7GTB	2.99	2.79	23Z9	4.29	4.09	
	4.69	4.49	6DZ4/6AF4A	3.19	2.99	6T8A	3.29	3.09	25C5	2.49	2.29	
	2.69	2.49	6EA7	Use 6EM7/6EA7		6UA8/6KD8	2.29	2.09	25L6GT	2.49	2.29	
ECC85	2.19	1.99	6EA8	2.99	2.79	6U10	2.99	2.79	33GV7A	5.19	4.99	
	3.29	3.09	6EB8	Use 6GN8/6EB8		6VG7A	3.09	2.89	34CE3	2.89	2.69	
	2.39	2.19	6EH7/EF183	2.79	2.59	6WG6T	3.49	3.29	35C5	2.29	2.09	
	1.89	1.59	6EJ7/EF184	2.69	2.49	6X4	2.09	1.89	35W4	.99	.89	
	2.99	2.79	6EL4A/6BK4C	5.29	4.99	6X8A	2.99	2.79	35Z5GT	1.99	1.79	
TA	3.09	2.89	6EM5	3.09	2.89	6V9/EF1200	2.49	2.39	38HE7	5.99	5.79	
	Use 6HGS/6AQ5A		6EM7/6EA7	3.99	3.79	6Z10/6J10	4.99	4.79	42KN6	6.19	5.99	
	2.09	1.99	6EW6	2.29	2.09	7GS7	3.09	2.99	50C5	2.19	1.99	
	2.59	2.39	6FG7	3.29	3.09	8AW8A	3.49	3.29	50L6GT	3.79	3.59	
	3.39	3.19	6FM7	3.59	3.39	8B10	3.29	3.09	50EH5	2.39	2.19	
TB	2.99	2.79	6FQ5A	Use 6GK5/6FQ5A		8CG7	Use 8FQ7/8CG7	50HK6	1.99	1.79		
	1.89	1.79	6FQ7/6CG7	1.89	1.69	8PQ7/8CG7	2.19	1.99	58T9	4.99	4.79	
	3.39	3.19	6GE5	3.99	3.79	8LT8	2.99	2.79	69T3	4.89	4.69	
	1.69	1.59	6GF7A	3.79	3.59	9A8/PCF80	2.09	1.99	70Z5	2.39	2.19	
	2.99	2.79	6GHA8	2.09	1.89	10CW5/LL86	2.19	1.99	7189A	2.59	2.39	
TB	2.09	1.99	6GJ7/ECF801	2.19	1.99	10DE7	3.59	3.39	7199	4.29	4.09	
	2.39	2.19	6GK5/6FQ5A	3.39	3.19	10GK6	2.79	2.59	7591A	2.69	2.59	
	Use 6BS3A/6AY3B		6GK6	2.49	2.29	10GN8	2.70	2.43	7868	4.49	4.29	

ire to specify Dept. No. and Tube Type when ordering

Mullard lab-tested hi-fi Tubes and Matched Pairs

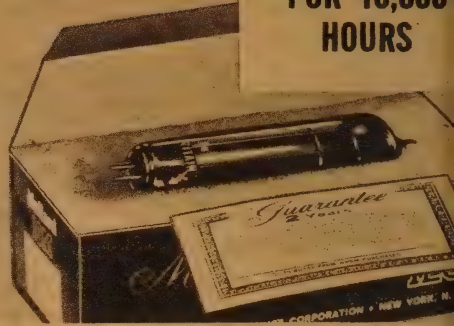
Provide superior performance in your equipment

- Tested for tube-to-tube uniformity
- Free of noise and microphonics
- For all close-tolerance equipment

Carefully designed and selected tubes, guaranteed for 10,000 hours of efficient and effective performance within a two-year period from the date of purchase. (Does not apply to broken tubes.) Individually laboratory-tested to assure long life. Feature tube-to-tube and section-to-section uniformity. Have stable, close-tolerance characteristics. Highly recommended for any critical circuit application such as in stereo hi-fi components, broadcast and antenna systems, instrumentation, computers, radar, commercial sound and public address systems, and many other devices. Ideal for today's technically advanced and exacting electronic assemblies. Each is packaged and sealed in a plastic-foam cushion for extra protection. Give optimum results with existing equipment as well as in designing new equipment. Provide finest response currently obtainable in high-performance type tubes. Av. shpg. wt. per tube 5 oz.

When Ordering, Please Specify Dept. No. 24 B, Tube Type AND Manufacturer. Example: 24 B DF91/1T4 Mullard.

FULLY
GUARANTEED
FOR 10,000
HOURS



Tube Type	EACH	Tube Type	EACH	Tube Type	EACH	Tube Type	EACH	Tube Type	EACH
DF91/1T4	3.85	ECF86/6HG8	3.70	ELL80/6HU8	5.40	PC900/4HA5	2.35	UCH42/14K7	4.20
DF92/1L4	3.95	ECF200/6X9	2.90	EM34/6CD7	5.90	PCC85/9AQ8	4.20	UCH81/19D8	4.35
DF904/1U4	3.85	ECF201/6U9	2.90	EM81/6DA5	4.20	PCC88/7DJ8	4.35	UCL82/50BM8	2.65
DK91/1R5	4.45	ECF801/6GJ7	3.10	EM84/6FG6	3.35	PCF80/9A8	2.65	UCL83	3.10
DM70/1M3	3.40	ECF802/6JW8	3.10	EM87/6HU6	4.85	PCF82/9U8	3.10	UF41/12AC5	2.75
DM71/1N3	2.35	ECH81/6AJ8	2.80	EY88/6AL3	2.60	PCF86/8HG8	2.75	UF42	3.75
DY51/1BG2	2.85	ECH200/6V9	3.15	EZ80/6V4	1.60	PCF200/EX9	3.75	UF80	3.75
DY87/1S2A	2.55	ECL80/6AB8	5.90	EZ81/6CA4	3.25	PCF201/8U9	3.75	UF85	2.90
EAA91	2.70	ECL82/6BM8	2.90	EZ90/6X4	2.75	PCF801/8GJ7	4.00	UF86	2.90
EABC80/6AK8	3.30	ECL84/6DX8	2.90	GZ30/5Z4G	4.95	PCH200/9V9	2.90	UF89	3.40
EB91/6AL5	2.70	ECL85/6GV8	4.60	GZ32/5AQ4	8.30	PCL82/16A8	3.40	UL41/45A5	3.40
EBC81/6BD7A	3.35	ECL86/6GW8	3.05	GZ34/5AR4	4.25	PCL84/15DQ8	4.65	UL44/45B5	4.65
EBC90/6AT6	2.40	EF80/6BX6	3.05	GZ37	9.60	PCL85/18GV8	1.85	UV41/31A3	7.10
EBC91/6AV6	1.95	EF85/6BY7	3.35	HBC90/12AT6	2.75	PL21/2D21	7.10	XC95/38A3	8.20
EBF80/6N8	4.90	EF86/6267	2.80	HCC85/17EW8	2.75	PL36/25E5	5.20	XC95/2ER5	4.75
EBF89/6DC8	3.05	EF89/6DA6	2.85	HCH81/12AJ7	4.25	PL81/21A6	4.75	XC9801/4GJ7	2.45
EC86/6CM4	5.35	EF91/6AM6	7.05	HL94/30A5	3.20	PL82/16A5	4.75	XC9801/9GV8	3.70
EC88/6DL4	7.95	EF92/6CQ6	8.90	HZ90/12X4	2.25	PL83/15A6	4.75	XF183/3EH7	11.15
EC90/6C4	2.95	EF93/6BA6	2.70	KT66	8.00	PL84/15CW5	2.80	XL84/8BQ5	4.40
EC91/6AQ4	9.10	EF94/6AU6	2.65	KT77	8.95	PL500/27GB5	2.75	XL86/8CW5	5.50
EC92/6AB4	3.60	EF95/6AK5	4.75	KT88	13.10	PL509/40KG6A	3.35	XY88/16AQ3	6.95
EC95/6ER5	4.20	EF183/6EH7	3.85	LC900/3HA5	3.85	PY80/19X3	2.80	6AF9	3.75
EC97/6FY5	2.75	EF184/6EJ7	3.55	LCE80/6LN8	2.40	PY81/17Z3	6.80	6AF11	7025A
EC900/6HA5	3.85	EH90/6CS6	3.30	LCE86/5HG8	3.70	PY82/19Y3	5.50	7189A	7247/12DW7
ECC81/12AT7	3.20	EK90/6BE6	3.10	LCF200/5X9	2.95	PY88/30AE3	3.35		
ECC82/12AU7A	2.75	EL34/6CA7	5.35	LCF201/5U9	2.95	PY500A/42EC4	6.95		
ECC83/12AX7A	2.70	EL36/6CM5	11.00	LCF801/5GJ7	2.95	UAB80	3.75		
ECC84/6CW7	2.90	EL81/6CJ6	8.20	LCF802/6LX8	2.60	UAF42/12S7	6.80		
ECC85/6AQ8	3.00	EL84/6BQ5	3.55	LF183/4EH7	3.55	UBC41/14L7	5.50		
ECC88/6DJ8	4.95	EL86/6CW5	2.75	LF184/4EJ7	3.55	UBC81	3.35		
ECC91/616	4.05	EL90/6AQ5	2.95	LFL200/11V9	3.70	UBF80/17C8	4.90		
ECC189/6ES8	5.45	EL91/6AM5	9.30	LL86/10CW5	2.55	UBF89/19FL8	4.05		
ECF80/6BL8	2.70	EL95/6DL5	2.95	LY88/20AQ3	3.25	UCC85	2.50		
ECF82/6U8	3.45	EL500/6GB5	3.80	PABC80/9AK8	3.75	UCF80	5.60		

Obtain superlative hi-fi performance with Mullard Matched Pairs



Matched pairs provide proportionate amplification in the output stage of an audio amplifier without risk of response deterioration due to mismatched tubes. Prevent distortion and loss of power from spurious beat harmonics generated by tubes without paired tolerances. Will make your system respond to its fullest capacity. Av. shpg. wt. 10 oz.

Specify Dept. No. 24 B, Tube Type AND Manufacturer



Dept.	Tube Type	PAIR	Dept.	Tube Type	PAIR	Dept.	Tube Type	PAIR
24 B	6AQ5A/EL90MP	6.35	24 B	45B5/UL84MP	6.15	24 B	EL90MP	Use 6GW8
24 B	6AW8/ECL86MP	6.80	24 B	50BM8/UCL82MP	6.80	24 B	EL95MP	6.80
24 B	6BM8/ECL82MP	6.80	24 B	ECL86MP	7.25	24 B	KT66MP	Use 6CA7
24 B	6BQ5/EL84MP	8.50	24 B	EL34MP	Use 6CA7	24 B	KT77MP	Use 6CA7
24 B	6CA7/EL34MP	11.20	24 B	EL37MP	8.50	24 B	KT88MP	Use 6CW5
24 B	6CWS/EL86MP	6.10	24 B	EL84MP	Use 6CW5	24 B	UCL82MP	7189MP
24 B	6DL5/EL95MP	7.75		EL86MP			UL84MP	
24 B	6GW8/ECL86MP	7.25					7189MP	

Build your own low-cost high-performance FM receiver system

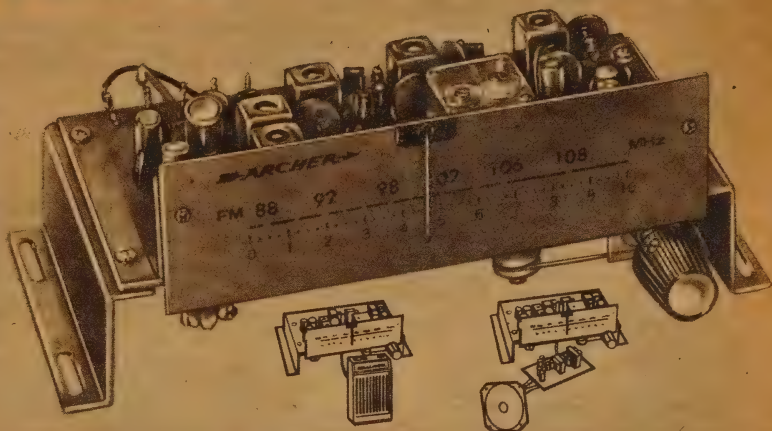
Smaller miniature FM Tuner

Compact tuner runs on a 9-volt battery . . . the perfect addition to a go-anywhere sound system

Building your own inexpensive FM receiver system with this miniature FM tuner, you get the sound quality and response expected from a phono system. Can be used with any amplifier. Operates on one 9-volt battery (below)—use it with battery-operated amplifier below and take great FM anywhere. Sensitivity of less than 5 μ V. 10 dB S+N/N. IF frequency of 10.7 MHz. Single knob tuning. Solid-state circuit for cool dependable operation. With state easy-to-follow instructions. FM antenna below. 2 1/2" x 6 1/4" x 3 1/8".

#39. Shpg. wt. 1 lb. **14.95**
#85. FM Antenna. Wt. 1 lb. **1.49**
#4. 9-Volt Battery. 3 oz. **Each 35¢**

14⁹⁵



Miniature audio Amplifier Chassis for the budget-priced system

Choose from 3 Amplifier Chassis

Battery operated chassis are fully wired and ready to use

Wired, solid-state. Battery operation. Response up to 15,000 Hz.

100 mW Output, 4 Transistors. Gain: 1 mV or 100 mV output into any 8-12 ohm speaker. 500 ohm output impedance at 1 kHz. 1/4". Order 9-V. battery above.

#240. Shpg. wt. 6 oz. **4.95**

100 mW Output, 5 Transistors. Inputs, 500 ohms. For 8-12 ohm speakers. 1/4". Order 9-volt battery above.

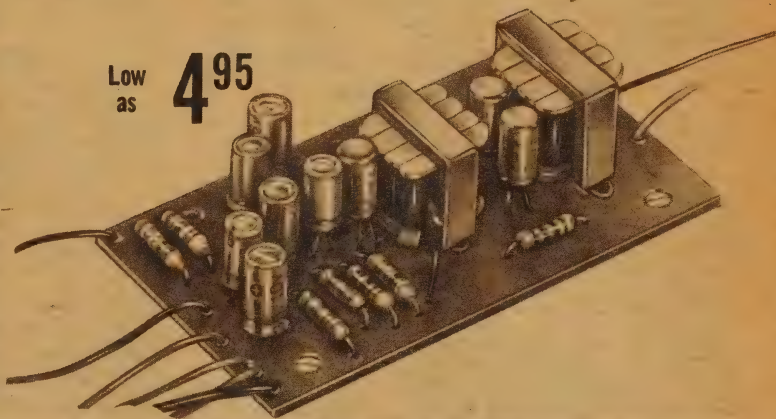
#577. Shpg. wt. 6 oz. **5.95**

100 mW Output, 4 Transistors. Input, 5000 ohms. 8-12 ohms. 2x3 3/4" x 1 1/4". 1 lb.

#38. (Takes 8 "D" batteries) **6.95**

Low
as

4⁹⁵



Get both Speaker and Amplifier in one compact unit . . . one low price

200 mW Speaker/Amplifier

Compact battery-operated unit anywhere . . . fits anywhere

6⁹⁵

This compact combination speaker/amplifier comes inside a pocket-size high-impact case. Fits anywhere. Ideal for use as a personal extension speaker. Can be used with electronic projects, telephones and phonos. Battery-operated for complete portability . . . use it with portable systems. All solid-state components assure long reliable life. High-gain transistor amplifier with output and driver transformers. Sensitivity, 3 mV. Miniature two-inch speaker delivers clean 300-12,000 Hz response. On-off/volume control. Complete with input jack, plug, and cable. 9-volt battery (above). 2 1/2" x 3 3/8" x 1 3/8".

#008. Shpg. wt. 1 lb. **6.95**

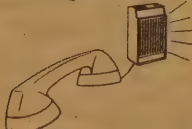
Use as a
tuner amplifier



Use as a
phono amplifier



Use as a
telephone amplifier
with phone pick-up coil



See page 331 for full Credit details . . . buy with no money down

NEW
for '71



(A)

TRIPLE-LIFE BATTERIES

Radio Shack NOVA CELL

Radio
Shack

One Nova Cell battery lasts as long as three regular batteries! Extra care has gone into the development of the battery that makes others obsolete. You get triple the ordinary batteries because the electrolyte is specially processed.

- (A) 23 B 451. "D" Cell. Shpg. wt. 10 oz. Package of 2
(B) 23 B 452. "C" Cell. Shpg. wt. 5 oz. Package of 2
(C) 23 B 453. "AA" Cell. Shpg. wt. 4 oz. Package of 4

Burgess Transistor Batteries

Power packed long-life batteries for all transistor applications. Ideal for use with portable radios, walkie-talkies, electronic experiment kits, toys and printed circuits. *Indicates snap terminals, **flashlight terminals, ***socket terminals.

Stock No.	Mfr's Type	Each	Volts	Size	Wt. Lbs.	Replaces	
						Eveready	Ray-O-Vac
23B 6039	2MN6*	.95	9	1x $\frac{3}{4}$ x1 $\frac{1}{2}$ "	$\frac{1}{4}$	222	....
23B 6036	2N6*	2.15	9	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	$\frac{1}{4}$	246	1602
23B 6034	2U6*	.59	9	1x $\frac{3}{4}$ x1 $\frac{1}{2}$ "	$\frac{1}{4}$	216	1604
23B 689	130**	.25	1 $\frac{1}{2}$	3/8 dia. x 1 $\frac{1}{2}$ "	$\frac{1}{4}$	1035	14
23B 699	230**	.25	1 $\frac{1}{2}$	1 $\frac{1}{2}$ dia. x 2 $\frac{1}{2}$ "	$\frac{1}{4}$	1050	13
23B 635	930**	2.20	1 $\frac{1}{2}$	3/8 dia. x 1 $\frac{1}{2}$ "	$\frac{1}{4}$	1015	15
23B 6038	6C6*	.65	9	2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x5 $\frac{1}{2}$ "	$\frac{1}{4}$	2356N	....
23B 6028	D5*	3.45	7 $\frac{1}{2}$	2 $\frac{1}{2}$ x2x2 $\frac{1}{2}$ "	1	707	26
23B 569	D6*	2.50	9	2 $\frac{1}{2}$ x2x3 $\frac{1}{2}$ "	1	276	1603
23B 6037	D6P1***	5.95	3, 6, 9	2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	1 $\frac{1}{2}$	2506	1601
23B 6029	M6*	1.56	9	1 $\frac{1}{2}$ x1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	$\frac{1}{4}$	266	1605
23B 574	NE**	.15	1 $\frac{1}{2}$	3/8 dia. x 1 $\frac{1}{2}$ "	$\frac{1}{4}$	904	716
23B 6040	PM6*	1.05	9	1 dia. x 1 $\frac{1}{2}$ "	$\frac{1}{4}$	....	....
23B 6035	XX9*	2.95	9, 13 $\frac{1}{2}$	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	$\frac{1}{4}$	239	1900

Burgess Zinc-carbon Batteries

Long-life zinc-carbon batteries, most popular of portable power. Designed for industrial, electronic and transistor applications.

Stock No.	Mfr's Type	Each	Type-Volts	Size	Wt. Lbs.	Replaces	
						Eveready	Ray-O-Vac
23B 6047	2370	3.10	"C"-4 $\frac{1}{2}$	3 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	$\frac{1}{4}$	761C	712
23B 6041	5360	1.95	"C"-4 $\frac{1}{2}$	2 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	$\frac{1}{4}$	781	714
23B 6033	5540	2.95	"C"-7 $\frac{1}{2}$	4 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	$\frac{1}{4}$	773	713
23B 6031	5308	4.10	"B"-4 $\frac{1}{2}$	4 $\frac{1}{2}$ x2 $\frac{1}{2}$ x5 $\frac{1}{2}$ "	3	762S	709
23B 6032	4156	2.10	"B"-22 $\frac{1}{2}$	3 $\frac{1}{2}$ x2x2 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	1	763	A710
23B 6021	2F	1.65	"A"-1 $\frac{1}{2}$	2 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	$\frac{1}{4}$	W353	11
23B 6022	4F	1.49	"A"-1 $\frac{1}{2}$	2 $\frac{1}{2}$ x2x4 $\frac{1}{2}$ "	1 $\frac{1}{4}$	742	A4
23B 6025	422	1.35	"A"-3	1 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	$\frac{1}{4}$	750	704
23B 6030	4FH	1.39	"A"-1 $\frac{1}{2}$	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	1 $\frac{1}{4}$	....	....
23B 6024	432	3.95	"A"-4 $\frac{1}{2}$	1 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	$\frac{1}{4}$	751	705
23B 6027	532	2.10	"A"-4 $\frac{1}{2}$	2 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x2 $\frac{1}{2}$ "	$\frac{1}{4}$	703	706
23B 6023	F2BP	2.15	"A"-3	2 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	1	W352	701
23B 6048	U10	1.35	"B"-15	1x1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	$\frac{1}{4}$	411	208
23B 6097	U15	1.75	"B"-22 $\frac{1}{2}$	1 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	$\frac{1}{4}$	412	215
23B 6042	U20	1.85	"B"-30	1x1 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ "	$\frac{1}{4}$	412	A210
23B 509	Y10	1.50	"B"-15	1 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	$\frac{1}{4}$	504	220
23B 510	Y15	1.75	"B"-22 $\frac{1}{2}$	1 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	$\frac{1}{4}$	505	221
23B 6026	Y20	1.89	"B"-30	1 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	$\frac{1}{4}$	506	....

Burgess Lantern Batteries

Specially designed batteries for railroad-type lanterns and Radar Line lanterns. Sealed in steel and weatherproof. F4M spring terminals; F4BP binding post terminals; F4SC spring clip terminals; TW1, TW2, TW1X binding post terminals.

Stock No.	Mfr's Type	Each	Volts	Size	Wt. Lbs.	Replaces	
						Eveready	Ray-O-Vac
23B 006	F4M	1.39	6	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	1 $\frac{1}{2}$	509	941
23B 066	F4BP	1.39	6	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	1 $\frac{1}{2}$	510S	942
23B 6020	F4SC	1.95	6	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	1 $\frac{1}{2}$	510F	943
23B 6018	TW1	2.05	6	5 $\frac{1}{2}$ x2 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	3 $\frac{1}{4}$	731	918
23B 6017	TW2	2.05	12	5 $\frac{1}{2}$ x2 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	3 $\frac{1}{4}$	732	926
23B 541	TW1X	3.85	6	5 $\frac{1}{2}$ x2 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	3 $\frac{1}{4}$	....	....

Burgess Battery Engineering Manual

\$1

Information on performance of different battery types. Hundreds of graphs, data and illustrations. Spec sheets for new battery design. 149 pages. Size: 6x9 $\frac{1}{2}$ ". Shpg. wt. 10 oz.

23 B 6046. 1.00

Burgess Ignition, Telephone and Model Batteries

Specially designed for emergency illumination, portable and alarm systems, telephones, electric fences and ignition. Recommended for general ignition service where must have quick, reliable fast starts. All Burgess batteries made to high standards and fully inspected to insure

Stock No.	Mfr's Type	Each	Volts	Size	Wt. Lbs.	Replaces	
						Eveready	Ray-O-Vac
23B 6030	4FH	1.39	1 $\frac{1}{2}$	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	1 $\frac{1}{2}$	....	....
23B 008	410(4FM)	1.39	1 $\frac{1}{2}$	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	1 $\frac{1}{2}$	735	....
23B 143	6 Ign.	1.49	1 $\frac{1}{2}$	2 $\frac{1}{2}$ dia. x 6 $\frac{1}{2}$ "	2	6 Ign.	....
23B 6049	6 Ind.	1.49	1 $\frac{1}{2}$	2 $\frac{1}{2}$ dia. x 6 $\frac{1}{2}$ "	2	6 R.R.	....
23B 6050	6 Tel.	1.49	1 $\frac{1}{2}$	2 $\frac{1}{2}$ dia. x 6 $\frac{1}{2}$ "	2	6GL	....
23B 6051	4FH	5.49	6	8 $\frac{1}{2}$ x2 $\frac{1}{2}$ x5 $\frac{1}{2}$ x5 $\frac{1}{2}$ "	7	706	....
23B 6052	4FH	6.99	7 $\frac{1}{2}$	7 $\frac{1}{2}$ x3 $\frac{1}{2}$ x5 $\frac{1}{2}$ x5 $\frac{1}{2}$ "	8	715	....
23B 6053	4FH	7.99	9	8 $\frac{1}{2}$ x3 $\frac{1}{2}$ x5 $\frac{1}{2}$ x5 $\frac{1}{2}$ "	9	716	....
23B 6054	5461	5.49	6	10 $\frac{1}{2}$ x2 $\frac{1}{2}$ x7 $\frac{1}{2}$ x5 $\frac{1}{2}$ "	9 $\frac{1}{2}$	1461	....

Burgess Photo Flash Batteries

Get the extra zip needed for bright pictures. High amperage for positive bulb flash and split-second synchronization. solenoid shutter and bulb. Type XX45 for slave unit XX150, U160, AL7, U320 for electronic repeating flash; Y1, Y10, Y15 for B-C units; APX825 for photographic.

Stock No.	Mfr's Type	Each	Volts	Size	Wt. Lbs.	Replaces	
						Eveready	Ray-O-Vac
23B 472	120	.29	1.5	1 dia. x 1 $\frac{1}{2}$ "	$\frac{1}{4}$	....	....
23B 473	220	.25	1.5	1 $\frac{1}{2}$ dia. x 2 $\frac{1}{2}$ "	$\frac{1}{4}$	....	....
23B 474	720	.25	1.5	1 $\frac{1}{2}$ dia. 1 $\frac{1}{2}$ "	$\frac{1}{4}$	....	....
23B 475	920	.25	1.5	1 $\frac{1}{2}$ dia. x 1 $\frac{1}{2}$ "	$\frac{1}{4}$	....	....
23B 6013	XX45	3.50	67.5	2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x3 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	$\frac{1}{4}$	467	....
23B 223	AL7	.55	1.5	1 $\frac{1}{2}$ dia. x 1 $\frac{1}{2}$ "	$\frac{1}{4}$	....	....
23B 6019	XX150	3.65	225	4 $\frac{1}{2}$ x2 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	2 $\frac{1}{2}$	489	....
23B 6016	V60	4.35	90	3 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x3 $\frac{1}{2}$ x3 $\frac{1}{2}$ "	1 $\frac{1}{4}$	490	....
23B 6055	U160	9.95	240	2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x4 $\frac{1}{2}$ x4 $\frac{1}{2}$ "	$\frac{1}{4}$	491	....
23B 6015	U200	12.50	300	2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x3 $\frac{1}{2}$ "	1	493	....
23B 6014	U320	17.95	510	2 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x2 $\frac{1}{2}$ x5 $\frac{1}{2}$ "	1 $\frac{1}{4}$	497	....
23B 509	Y10	1.50	15	1 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	$\frac{1}{4}$	504	....
23B 510	Y15	1.75	22.5	1 $\frac{1}{2}$ x2x1 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	$\frac{1}{4}$	505	....
23B 225	APX825	2/1.25	1.5	1 $\frac{1}{2}$ dia. x 1 $\frac{1}{2}$ "	$\frac{1}{4}$	....	....

Burgess Mercury Batteries

Mercury batteries provide more power per unit of volume than other types of batteries. Features uniform voltage throughout long shelf life. Greater MAH ratings. Designed for transistor and other electronic applications. *Indicates snap terminals.

Stock No.	Mfr's Type	Each	Volts	Size	Wt. Lbs.	Replaces	
						Eveready	Ray-O-Vac
23B 6002	303314	11.20	16.8	2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x5 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	1	303314	....
23B 1535	Hg9-B1.2	2/1.95	1.4	1 $\frac{1}{2}$ dia. x 1 $\frac{1}{2}$ "	$\frac{1}{4}$	ZM9	....
23B 1536	H126	2.50	8.4	4 $\frac{1}{2}$ dia. x 2"	$\frac{1}{4}$	TR126	....
23B 1523	H133	2.50	4.2	2 $\frac{1}{2}$ dia. x 2"	$\frac{1}{4}$	TR133	....
23B 1527	H146X*	1.95	8.4	1 $\frac{1}{2}$ x2 $\frac{1}{2}$ x2 $\frac{1}{2}$ x1 $\frac{1}{2}$ "	$\frac{1}{4}$	TR146X	....
23B 6007	H177*	2.10	9.7	1 $\frac{1}{2}$ dia. x 1 $\frac{1}{2}$ "	$\frac{1}{4}$	TR177	....
23B 660	Hg312	.35	1.3	1 $\frac{1}{2}$ dia. x 3/8"	$\frac{1}{4}$	RM312	....
23B 6001	Hg400	.50	1.4	1 $\frac{1}{2}$ dia. x 3/8"	$\frac{1}{4}$	RM400	....
23B 1520	Hg401	.95	1.4	1 $\frac{1}{2}$ dia. x 1 $\frac{1}{2}$ "	$\frac{1}{4}$	RM401	....
	Hg575	.35	1.4	1 $\frac{1}{2}$ dia. x 3/8"	$\frac{1}{4}$	RM575	....
23B 6008	Hg625	.75	1.4	1 $\frac{1}{2}$ dia. x 1/4"	$\frac{1}{4}$	RM625	....
	Hg630	.75	1.4	1 $\frac{1}{2}$ dia. x 1/4"	$\frac{1}{4}$	RM630	....
23B 1515	Hg640	.75	1.4	1 $\frac{1}{2}$ dia. x 1/4"	$\frac{1}{4}$	RM640	....
23B 1520	Hg675	.47	1.4	1 $\frac{1}{2}$ dia. x 1 $\frac{1}{2}$ "	$\frac{1}{4}$	RM675	....
23B 6059	HPX13	.95	1.35	1 $\frac{1}{2}$ dia. x 1/4"	$\frac{1}{4}$	XP13	....



Allied® and Mallory Alkaline Batteries and Battery Charger

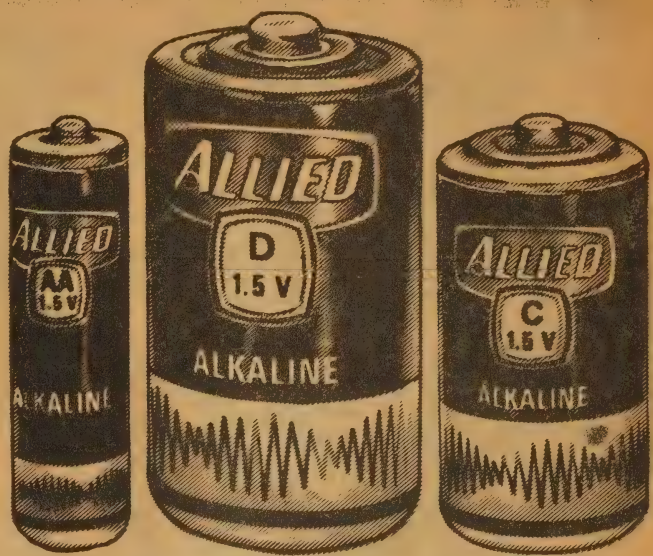
ALLIED'S OWN EXTRA-VALUE ALKALINE BATTERIES

- Designed for High-Drain Use
- Provide Instantaneous Service
- Last Up to 10 Times Longer
- Three Popular 1 1/2-Volt Sizes

Be amazed at the extra hours of service you can get from Allied's long-life alkaline batteries. Specifically designed for high drain-service applications, these batteries out-perform and out-last standard zinc-carbon flashlight batteries by up to 10 times. Alkaline cells cost less too. Compare by the initial cost by the many extra hours of service provided. Long-life, high-power alkaline batteries provide instant service for flashguns, portable radios, appliances, intercoms, electric toys and virtually anything that operates on batteries.

Outstanding performance over a wide range of temperatures. Maintain a constant output level during discharge. Last up to 10 times longer than standard batteries in normal service applications. Dependable service in heavy-duty applications. Ordinary batteries give marginal service or fail early (such as high-powered walkie-talkies, motor-operated units, etc.). Don't delay any more. Put these Allied alkaline cells in all your battery-operated electric and electronic equipment today for better performance, longer life, greater economy and convenience. Alkaline cells are available in standard 1 1/2-volt sizes: "D", "C", and "AA". Shpg. wt. per package 10 oz.

	Size	Volts	PER PKG. OF 2 (*Pkg. 4)	
			1-3	4-Up
1	"D"	1 1/2	1.59	1.49
2	"C"	1 1/2	1.39	1.29
3	"AA"	1 1/2	1.89*	1.79*



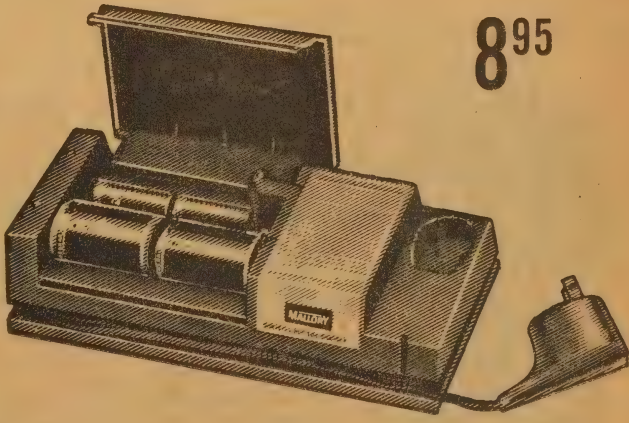
Size "AA" Size "C" Size "D"

MALLORY RECHARGEABLE ALKALINE BATTERIES AND CHARGER

Charges two or four of the same size battery, or any two pairs of batteries simultaneously. Completely automatic operation. Batteries to full charge in 24 hours.

- Provides Constant Charges
- Fully Regulated
- Built-in AC Line Cord

BC-15 CHARGER. Charges batteries SA-13D, and SA-15AA (order below). Charges two or three of the same size batteries, or any two pairs of batteries simultaneously. Features completely positive, automatic operation. Keep flashlights, toys, appliances, portable phonographs, etc., anything that uses batteries running at peak performance at all times. Batteries to top charge in only 24 hours. Battery not to be overcharged. Positive-action terminals. Terminals securely providing sure connections. Economy pays for itself in battery costs saved. Plug in AC line cord that plugs into unit when not in use. Get one today for trouble-free, economical recharging of all your Alkaline batteries. 9 3/4 x 4 3/4 x 2 3/4". Shpg. wt. 1 lb. 8.95



Rechargeable alkaline batteries come in the most popular standard zinc-carbon 1 1/2-volt cell sizes enabling their use in virtually all your battery operated equipment.

- Designed for High Drain Service
- Can Be Used Over and Over
- Rugged, Sealed Construction

RECHARGEABLE BATTERIES. Eliminate replacing of dead and weak batteries in your battery operated equipment. Ideal for use in toys, games, radios, appliances etc. Recharge alkaline cells can be used over and over in conjunction with BC-15 charger (above). Batteries are available in standard sizes: "AA", "C", and "D".

Mfr's Type	Volts	Amp. Hrs.	Size	Shpg. Wt.	PER PKG. OF 2
SA-13D	1 1/2	2	"D"	5 oz.	3.50
SA-14C	1 1/2	1	"C"	2 1/2 oz.	3.00
SA-15AA	1 1/2	.3	"AA"	1 oz.	2.00



SA-14C SA-13D SA-15AA

SA series alkaline rechargeable batteries are recommended for use only with Model BC-15 charger, or any other battery charger specifically designed for alkaline type rechargeable batteries.

Super Powered "New Formula" Batteries From Radio Shack

OUR OWN BATTERIES OFFER TOP PERFORMANCE AT THE LOWEST PRICE

- We Subject All Our Batteries to the Most Rigid Controls and Factory Inspection
- All Batteries Are Factory-Fresh—You Are Assured of Extra-longlife Performance
- Buy them by the Box for Bigger Savings and to Make Sure You Don't Run Out



AA Cell
8½¢ Each
in Box of 72

D Cell
14½¢ Each
in Box of 24

9V (Round)
39¢ Each
in Box of 24

C Cell
14¢ Each
in Box of 24

9V (Rect.)
29¢ Each
in Box of 24

Why pay more for your batteries when you can get premium "New Formula" power cells at substantial savings? Unsurpassed quality, mass-produced batteries, they have surpassed the rugged quality control tests—your guarantee of fresh, long life and unsurpassable value. Sealed to provide protection against handling and against corrosive leakage that can damage only to batteries, but also to the unit being powered. Fit all size flashlights and other battery-powered appliances. The "C" is for baby flashlights; "AA" is for standard penlight and 9V rectangular are for applications with portable other transistorized appliances. Get even bigger savings when you buy by the box.

Stock Up
and Save—
Buy 'em By
the Box!



Stock No.	Type	REPLACES				EA.	PR.
		Eveready	Burgess	RCA	EA.		
23B466	1.5V "D"	950	2	V5036	.19		
23B468	1.5V "AA"	915	Z	V5034A	.10		
23B467	1.5V "C"	935	1	V5035A	.17		
23B464	9V Rect.	216	2U6	VS323	.35		
23-481	9V Round	206	L6	VS320	.49		

RECHARGEABLE 9-VOLT TRANSISTOR RADIO BATTERY

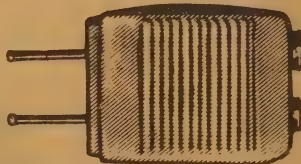


50% EXTRA LIFE BATTERY

98¢ Per pair

- Higher Lumen Output
- Greater MNO Content
- Rugged Steel Case
- Anti-Corrosive Caps

Specially formulated 9V battery reduces the frequency of necessary replacement, provides more than 50% fresher, longer life without sacrificing shelf-life or adding weight. Provides distortion-free tonal quality and steady full-charge power. Perfect for transistorized portable radios, tape recorders, cartridge and cassette players, flashlights, intercoms, appliances, tools, game, much more. Designed especially for Allied Radio Shack under rigid manufacturing procedures to exceed United States Government standards. Has higher lumen output for more instant power when you need it. Greater MNO content gives you longer life. Anti-corrosive caps guarantee excellent performance under any weather conditions. Top depolarization and conductivity assures you of perfect contact every time; Has regular snap-type contacts. And just think of the added savings when you buy by the box (available in boxes of 50 at substantial savings). Shpg. wt. 6 oz. 23 B 152..... 2/.98 Box of 50 for 19.95



Charger



2⁹⁵



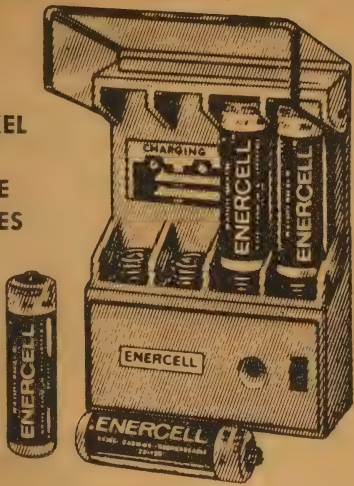
Battery

- With Battery Charger
- Replaces 2U6, 216, BL-006P
- 11-15 Hours Playing Time Each Charge

Fantastic rechargeable 9V battery in hermetically sealed complete with charger gives you from 11 to 15 hours of single overnight charge. Use and charge over and over with excellent stability throughout long operating life plus long shelf life. Ideal for portable and transistor radios, tape etc. Easy to use—just plug battery with charger into any 115 VAC wall outlet. No connecting wires, no special necessary. So small, charger can be carried anywhere. Uses for hobby, home use, work, office, etc. Battery measures 8". Charger, 2½x3½x1½". 270 B 1534. Shpg. wt. 3 oz. 270 B 1534. Shpg. wt. 3 oz.

Allied Radio Shack, G.E. Batteries and Battery Chargers

CELL NICKEL CADMIUM RECHARGEABLE BATTERIES



ing Energizer batteries, made exclusively for Radio Shack money because they can be recharged again and again. Capacity of 200 to 500 charge/discharge cycles. Rugged, instruction, uniform power output. Provide optimum performance every time. Eliminates constant replacing of dead or weak in toys, tape recorders, transistor radios, flash equipment, electronic devices.

Shpg. wt. ¼ lb. 2/2.98
29. Battery Charger. Lets you charge 2 or 4 Ni-Cad batteries. 14-16 charge cycle. 1½ lbs. 3.98

DELUXE SELF-REGULATING BATTERY CHARGER

995 • Recharges Radio/Flashlight Batteries Up To 1000 Times More
• Has Built-In Battery Tester
C-1. Brings your batteries to peak performance 5 hours. Automatic operation. Charges 2 or 4 C-size batteries (order below) or any two pairs of D-size batteries. 7½x5½x2½". AC.
2. Shpg. wt. 3 lbs. 9.95

RECHARGEABLE NICKEL-CADMIUM BATTERIES

Long-lasting batteries recharge up to 1000 times or more. BC-1 Battery Charger (order above).

	Mfr's Type	Volts	Ampere Hours	Size	Price
1	GC-3	1.2	1.0	D	Pkg. 2/3.95
0	GC-2	1.2	1.0	C	Pkg. 2/3.95
9	GC-1	1.2	1.0	AA	Pkg. 2/3.49

HOME BATTERY CHARGER FOR ALL BATTERY-OPERATED ITEMS

Charges Up To 4 Batteries Simultaneously
Plugs Into Any 117 VAC Outlet
Won't Overcharge Or Burn Out

Long life performance from all your battery-operated items with this amazing home battery charger. Charges up to 4 batteries simultaneously—and not just the same kind, but in any combination of sizes. Just a few cents worth of electricity is enough to charge over 50 batteries. Plugs into any AC home outlet. Gives batteries a complete overnight, or a freshup charge in just a few minutes. Won't overcharge or burn out.
26. Shpg. wt. 1½ lbs. 4.95

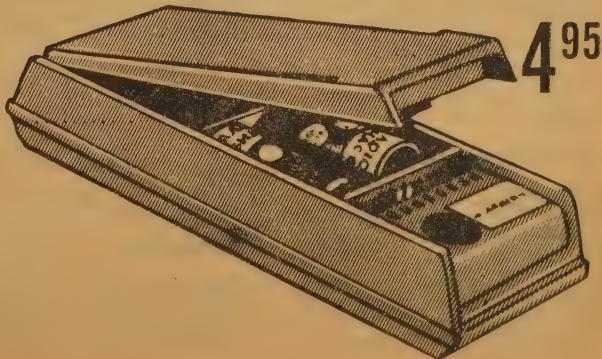
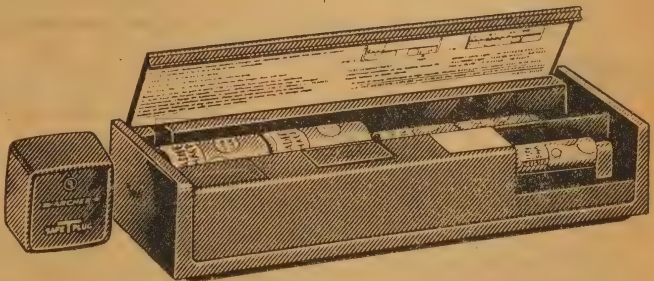
Radio Shack Gives You Lowest Prices

"D" Cells

"C" Cells "AA" Cells

- Eliminate Replacing Dead Or Weak Batteries
- For Toys, Radios, Flashlights, etc.
- Charges All Sizes—"AA," "C," or "D"

Now, you can enjoy fresher, longer life from all your batteries. Low-cost, top quality battery charger, recharges every popular size battery—including Alkaline, carbon zinc and NiCad types. Specially designed self-regulating chamber recharges as many as 4 batteries at a time overnight, the peak performance—in any combination. Saves you time and money. All you do is plug into any standard 117V AC outlet. Power is reduced at the outlet by Archer's exclusive "Safe-T-Plug" so that only low, battery-type current reaches batteries for ultra-safe charges without dangerous burnouts. Comes complete with highly accurate built-in battery tester and easy-to-follow instructions. Shpg. wt. 2 lbs.
270 B 1530 6.95



IRC Resistors and Allied Resistor Assortments



IRC CARBON COMPOSITION AND WIREWOUND RESISTOR

TYPE RC FIXED COMPOSITION, 5% tol. Meet MIL-R-11 specs. Withstand 50 to 100% overloads. EIA (RETMA) code. Sizes: RC-1/4, 1/4x3/32", RC-1/2, 1/2x3/16", RC-1, 1x3/8", RC-2, 1 1/2x3/16". Shpg. wt. per 100: 1/4W, 4 oz.; 1/2W, 6 oz.; 1W, 10 oz.; 2W, 14 oz.

MIL NUMBERS, Ex: RC07GF-153K. RC, composition type resistor. 07, 1/4-watt rating. GF (ambient temperature—G and resistance temperature—F) in

reference to MIL-R-11D specifications. 1st resistance in ohms—first 2 digits are figure numbers, 3rd digit is number of zeros in

TYPE RC 5% FIXED COMPOSITION—SPECIFY VALUES WANTED

Stock No.	Mfr's Type		MIL Equivalent	Watts	Values See Table	May Be Assorted (Order Each Value in Multiple of)			
	New	Old				EACH			
962 B 1700	RC-1/4	GBT-1/4	RC07GF	1/4	2.7Ω to 1 meg	.12	.09	.08	.07
962 B 1800	RC-1/2	GBT-1/2	RC20GF	1/2	2.7Ω to 22 meg	.12	.09	.08	.07

Stock No.	Mfr's Type		MIL Equivalent	Watts	Values See Table	May Be Assorted (Order Each Value in Multiple of)			
	New	Old				EACH			
962 B 1900	RC-2	GBT-1	RC32GF	1	10Ω to 22 meg	.18	.12	.11	.10
962 B 2000	RC-2	SR-2	RC42GF	2	10Ω to 22 meg	.35	.27	.23	.20

TYPE BWH 5% 2-WATT FIXED WIREWOUND—SPECIFY VALUES WANTED—TO 1800 OHMS ONLY

Stock No.	Mfr's Type	MIL Equivalent	Watts	Values See Table	May Be Assorted (Order Each Value in Multiple of)			
					EACH			
962 B 0001	BWH		2	10Ω to 9.1Ω	.25	.17	.16	.15
962 B 0100	BWH		2	10Ω to 1500Ω	.25	.17	.16	.15
962 B 0200	BWH		2	1600Ω to 1800Ω	.25	.17	.16	.15

VALUES TABLE 5% EIA (RETMA) VALUES—SPECIFY RESISTANCE WANTED IN OHMS, *MEG

0.10	0.30	0.82	2.4	6.8	20	56	160	470	1300	3900	11k	33k	91k	270k	750k	2.2*	6.8*
0.11	0.33	0.91	2.7	7.5	22	62	180	510	1500	4300	12k	36k	100k	300k	820k	2.4*	7.5*
0.12	0.36	1.0	3.0	8.2	24	68	200	560	1600	4700	13k	39k	110k	330k	910k	2.7*	7.6*
0.13	0.39	1.1	3.3	9.1	27	75	220	620	1800	5100	15k	43k	120k	360k	1.0*	3.0*	8.2*
0.15	0.43	1.2	3.6	10	30	82	240	680	2000	5600	16k	47k	130k	390k	1.1*	3.3*	9.1*
0.16	0.47	1.3	3.9	11	33	91	270	750	2200	6200	18k	51k	150k	430k	1.2*	3.6*	10*
0.18	0.51	1.5	4.3	12	36	100	300	820	2400	6800	20k	56k	160k	470k	1.3*	3.9*	11*
0.20	0.56	1.6	4.7	13	39	110	330	910	2700	7500	22k	62k	180k	510k	1.5*	4.3*	12*
0.22	0.62	1.8	5.1	15	43	120	360	1000	3000	8200	24k	68k	200k	560k	1.6*	4.7*	13*
0.24	0.68	2.0	5.6	16	47	130	390	1100	3300	9100	27k	75k	220k	620k	1.8*	5.1*	15*
0.27	0.75	2.2	6.2	18	51	150	430	1200	3600	10k	30k	82k	240k	680k	2.0*	5.6*	16*

CARBON RESISTOR ASSORTMENTS AT SPECIAL LOW PRICES



Great values in wide selection of carbon resistors for many applications in service repairs, hobbies, experiments, etc. Manufactured under the strictest quality control. Tinned axial leads for trouble-free soldering. Noise-free; color-coded. 1/2 Watt, ±10% tolerance. Two each: 3.9, 10, 12, 15, 22, 27, 39, 82, 120, 150, 180, 270, 390, 470, 560, 680, 820, 1200, 1800, 2700, 3300, 3900, 5600, 6800, 8200, 12k, 18k, 22k, 27k, 33k, 39k, 68k, 82k, 100k, 120k, 150k, 330k, 390k, 470k, 680k, 820k ohms: 1, 1.5, 1.8, 2.2, 3.3, 5.6, 6.8, 8.2, 10 megohms.

271 B 5001..... 100 for 3.49

1/4, 1/2, 1, 2 WATTS. 25 1/4-watt, 100 1/2-watt, 25 1-watt, 50 2-watt. ±5% and ±10%. Color coded.

271 B 5002. Wt. 10 oz..... 200 for 4.98

1/2, 1, 2 WATTS. 40 1/2-watt, 30 1-watt, 30 2-watt. ±5%, ±10% tol.

271 B 5003. Wt. 5 oz..... 100 for 3.49

Stock up now at low prices and save on carefully selected assortments of high quality resistors made by famous manufacturers to rigid standards.

1/2 WATT. 100 popular values. ±10%. 271 B 5004. Wt. 5 oz..... 100 for 1.98

1/4 WATT. 150 popular values. ±10% tolerance. Color coded.

271 B 5005. Wt. 1 lb..... 150 for 3.49

1/2 WATT. 200 popular values. ±5%, ±10% tolerance. Color coded.

271 B 5006. Wt. 10 oz..... 200 for 3.98

1/2 WATT. Two each: 10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820, 1000, 1200, 1500, 1800, 2200, 2700, 3300, 3900, 4700, 5600, 6800, 8200, 10k, 12k, 15k, 18k, 22k, 27k, 33k, 39k, 47k, 56k, 68k, 82k, 100k, 120k, 150k, 180k, 220k, 270k, 330k, 390k, 470k, 560k, 680k, 820k; 1-5 megohms. Save time and trouble—keep a stock of this assortment on hand. And save money, too—stock up now while prices are this low. Shpg. wt. 10 oz.

271 B 5007..... 150 for 4.95

Assortment in Plastic Case



Assortment of values for experimenters, service men, and hobbyists.

1/2-WATT ASSORTMENT. Eight each: 47k, 100k, 270k, 1 meg; five each: 10k, 220k, 2.12 meg; five each: 22k, 27k, 33k, 330k, 4.7 meg; 100, 470, 1500, 2200, 2700, 560k meg; three each: 41, 220, 270 Shpg. wt. 4 1/2 lbs. Stock up now

271 B 5008..... 1 lb.

FILM, DEPOSITED ASSORTMENT



Popular values in assorted packages deposited carbon and tin oxide. Excellent for a wide variety of applications. Made to high specification. Color coded. Contains 30 pieces of deposited carbon 1/2-watt resistors tolerance of ±5% and 20 pieces of power resistors that have ratings 2 watts to 7 watts. All have tin for quick and easy installation and protection against humidity and preventing costly and needless fire.

271 B 5011. Shpg. wt. 4 lbs. Pkg.

BARGAIN IN POWER RESISTORS



Popular values 3 to 30 watts

Unbeatable value in a package of 50 power resistors with leads for easiest possible soldering. Popular values in 3 to 30 watt ratings. ±10% tolerance.

271 B 5009. Shpg. wt. 10 oz..... 50 for 3.49

PRECISION RESISTORS



Precision-made with ±1% tolerance, molded deposited carbon, 100 different values

Wide selection of 100 different precision molded deposited carbon resistors. Have ±1% tolerance. Value is indicated on resistors, with fourth digit as no. of zeroes.

271 B 5010. Wt. 4 oz.... Pkg. of 100 for 1.98

Wirewound Resistors, Photocells, Thermistors

OHMITE TYPE 200 "BROWN DEVIL" WIREWOUND RESISTORS

section of high-quality, compact, resistors. Specially designed for use as such as voltage dropping, bias bleeders. Have thick vitreous coating for excellent heat conduction. Also fully protected against harmful effects of humidity and moisture, preventing needless failure. Tolerance, $\pm 5\%$. Overall size (excluding leads): 1/2" x 1/4"; 5/8-watt, 3/4" x 1/4"; 8-watt, 1 1/2" x 1/4"; 12-watt, 2 1/2" x 3/4"; 1 1/2" leads. Specify values from Tables "B" below. Av. shpg. wt., per 25, 8 oz.



STYLE 200-8—8-WATT (Values to 10k) See Table "C" Below

Stock No.	Stock Values (Ohms) See Table "B" Below	EACH			
		1-9	10-24	25-99	100-249
875 B 4600	1 to 1000	.58	.49	.41	.35
875 B 4700	1100 to 5000	.61	.52	.43	.37
875 B 4740	6000 to 10k	.64	.54	.45	.38

STYLE 200-12—12-WATT (Values to 50k) See Table "C" Below

Stock No.	Stock Values (Ohms) See Table "B" Below	EACH			
		1-9	10-24	25-99	100-249
875 B 4800	1 to 1000	.63	.54	.44	.38
875 B 4900	1100 to 5000	.67	.57	.47	.40
875 B 4925	6000 and 10k	.78	.66	.55	.47
875 B 4940	12.5k to 20k	.87	.74	.61	.52
875 B 4950	25k and 30k	.91	.77	.64	.55
875 B 4970	50k	1.05	.89	.74	.63

STYLE 200-20—20-WATT (In All Values Except * in Table "C")

Stock No.	Stock Values (Ohms) See Table "B" Below	EACH			
		1-9	10-24	25-99	100-249
875 B 5000	1 to 1000	.75	.64	.53	.45
875 B 5100	1200 to 5000	.78	.66	.55	.47
875 B 5140	6000 to 10k	.91	.77	.64	.55
875 B 5160	12.5k to 20k	.93	.79	.65	.56
875 B 5170	25k and 30k	1.10	.94	.77	.66
875 B 5180	50k and 60k	1.25	1.06	.88	.75
875 B 5190	100k	1.75	1.49	1.23	1.05

200-3—3-WATT (Values to 10k) See Table "B" Below

Stock No.	Stock Values (Ohms) See Table "B" Below	EACH			
		1-9	10-24	25-99	100-249
000	1 to 1000	.54	.46	.38	.32
000	1100 to 4700	.58	.49	.41	.35
130	5100 to 10k	.61	.52	.43	.37

00-5 1/4—5 1/4-WATT (Values to 20k) See Table "B" Below

Stock No.	Stock Values (Ohms) See Table "B" Below	EACH			
		1-9	10-24	25-99	100-249
000	1 to 1000	.58	.49	.41	.35
000	1100 to 4700	.61	.52	.43	.37
25	5100 to 10k	.64	.54	.45	.38
50	11k to 20k	.71	.60	.50	.43

"B" STOCK VALUES—FOR 3 AND 5 1/4-WATT STYLES

ABOVE—Specify Values Wanted

Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
3.6	12	43	150	510	1800	6200
3.9	13	47	160	560	2000	6800
4.3	15	51	180	620	2200	7500
4.7	16	56	200	680	2400	8200
5.1	18	62	220	750	2700	9100
5.6	20	68	240	820	3000	10k
6.2	22	75	270	910	3300	11k
6.8	24	82	300	1000	3600	12k
7.3	27	91	330	1100	3900	13k
8.2	30	100	360	1200	4300	15k
9.1	33	110	390	1300	4700	16k
10	36	120	430	1500	5100	18k
11	39	130	470	1600	5600	20k

TABLE "C" STOCK VALUES—FOR 8, 12 AND 20-WATT STYLES ABOVE—Specify Values Wanted

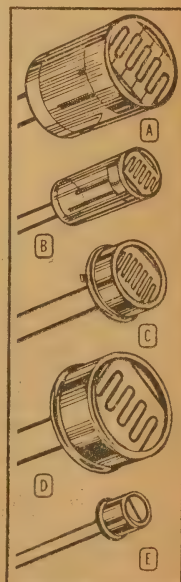
Ohms	Ohms	Ohms	Ohms	Ohms	Ohms	Ohms
1	15*	125*	500	1250	4500	15k
1.5*	20*	150	600*	1500	5000	20k
2	25	200	700	1750	6000	25k
3	30*	225*	750	2000	7000	30k
4	35*	250	800	2250	7500	35k
5	40*	300	900	2500	8000	40k
7.5*	50	350	1000	3000	9000	100k
10	75	400	1100*	3500	10k	.....
12*	100	450*	1200	4000	12.5k	.....

PHOTOCELLS AND THERMISTORS

CLAIREX CdS AND CdSe PHOTOCELLS

@ 2 fc = 33 1/3%. †Res. ratio from 2 fc to dark within 5 seconds. ‡Power diss. @ 25°C. (mW). §With/without for use with: **incandescent; ††fluorescent; or †††neon lamps. Av. shpg. wt. 2 oz.

Type No.	Fig.	Description	DxL (In.)	*Resist. @ 2 fc	†Max. Res. Ratio	‡Max. Volt.	§Power Dissip.	EACH
CL602	B	Type 2 CdS, peak resp. 5150 Å, bluest response photosensitive material; high stability, low temp. error. **, ††.	.25x.5 .21x.15	1 meg. 1 meg.	1:100 1:100	300 250	75 50	1.50 2.00
CL902	E							
CL5M3	D	Type 3 CdSe, peak spectral response 7550 angstroms, fast response, and very high light-to-dark resistance ratio. Can be used for high speed switching or counting. Sensitive to near infra red. ††, ††.	.55x.18 .25x.5 .25x.5 .25x.5 .36x.18 .36x.18 .21x.15 .21x.15	7.2k 133k 75k 3.5k 67k 2.7k 67k 5.9k	1:10,000 1:10,000 1:10,000 1:10,000 1:10,000 1:10,000 1:10,000 1:10,000	250 300 300 170 300 100 250 100	2000/500§ 75 75 75 125 125 50 50	1.50 1.75 1.75 1.75 1.50 1.50 1.50 1.50
CL603A	B							
CL603AL	C							
CL703A	C							
CL903A	E							
CL903L	E							
CL504L	A	Type 4 CdSe, peak spectral response 6900 angstroms, very low resistance photocells. For "on-off" applications when low resistance is desired. **, ††.	.5x.5 .55x.18 .25x.5 .36x.18 .21x.15 .21x.15	0.25k 0.25k 30k 0.6k 30k 2k	1:1000 1:1000 1:1000 1:1000 1:1000 1:1000	170 170 300 100 250 100	500/250§ 2000/500§ 75 125 50 50	1.50 1.50 1.75 1.50 1.50 1.50
CL5M4L	D							
CL604	B							
CL704L	C							
CL904	E							
CL904L	E							
CL903A	A	Type 5 CdS, peak spectral response 7550 angstroms (closely matches the human eye), stable, low memory photocell. Can be used in light measuring applications, and precision low speed switching. **, ††, ††.	.5x.5 .55x.18 .5x.5 .55x.18 .25x.5 .36x.18 .36x.18 .21x.15	9k 9k 1.5k 1.5k 166k 166k 3.3k 10k	1:100 1:100 1:100 1:100 1:100 1:100 1:100 1:100	250 250 170 300 300 100 100 100	500/250§ 2000/500§ 2000/250§ 75 125 125 50	1.50 1.50 1.50 1.50 2.00 1.50 1.50
CL5M5	D							
CL505L	A							
CL5M5L	A							
CL605	B							
CL705	C							
CL705L	C							
CL905L	E							
CL705HL	E	Type 5H CdS, peak response 5500Å. Uniform color temp. response. For speed switching, high-stability measuring **, ††, ††.	.36x.18 .21x.15 .21x.15	28k 100k 700k	1:1000 1:1000 1:1000	100 100 100	125 50 50	1.50 1.50 1.50
CL905HL	E							
CL905HN	E							
CL707	C	Type 7 CdS, peak spectral response 6150 angstroms, moderate speed and ratio. Can be used in general beam breaking applications. **, ††, ††.	.36x.18 .36x.18 .21x.15 .21x.15	133k 2.7k 133k 66k	1:1000 1:1000 1:1000 1:1000	300 100 250 100	125 125 50 50	1.50 1.50 1.50 1.50
CL707L	C							
CL907	E							
CL907N	E							



MENTER THERMISTOR KITS

Low Cost Kit. 4 glass beads and manual and computer for many uses. 1b. 4.95
Heavy Kit. Includes 10 glass beads, manual and computer for more use. 1 lb. 9.95



IR SOLAR CELL AND PHOTOCELL EXPERIMENTER KIT HAS 7 CELLS FOR MANY PROJECTS

Type K-421. 7 different selenium silicon and cadmium-sulfide photocells. Use to power transistor radios, build light meters, operate small motors, etc. Instructions. "Experimenter Handbook." 928 B 1313. Shpg. wt. 1 lb. 5.95



Controls and Control Assortments

IRC SERIES PQ, RQ, RQL AND M CONTROLS

EXPLANATION OF TAPERS

- Taper A.** Linear curve for uniform resistance change.
Taper C. Left-hand logarithmic taper for audio circuit control.

Smooth carbon base element and "two-finger" wiper arm. Special-purpose controls can be made up by using a Type PQ, RQ or RQL with several M Multisections and a Type 76 switch (listed below). Types PQ, RQ and RQL have $\frac{3}{8}$ " threaded bushing. Body diameter including terminals is $1\frac{1}{8}$ " maximum; depth adds $1\frac{3}{4}$ " to the depth. PQ types have shaft $3\frac{1}{2}$ " long, $\frac{1}{4}$ " diameter. RQ and RQL types have short shaft with screwdriver slot; shaft extends $\frac{1}{2}$ " beyond threaded bushing. Types RQ and RQL are identical except RQL has split bushing and locking nut—for permanent, vibration-proof settings. Tolerance of all types is $\pm 10\%$. Tinned terminals. Type PQ, RQ, RQL and M sections feature 300 degree arc of rotation—with or without switch. Power rating is $\frac{1}{2}$ watt, 500 volt maximum. Ground plate on Types PQ, RQ, and RQL has 2 locating tabs that may be bent down out of the way, if not needed. Av. shpg. wt., 4 oz.

TYPE 76 ATTACHABLE SWITCHES FOR PQ, RQ, RQL, M AND Q CONTROLS

Easily attached to controls listed at right by bending down four metal tabs. Switch housings of arc-resistant material. Terminals hydraulically staked—no openings for solder to run into switch. Silver-plated alloy contacts.

Type 76-4 is make-one, break-one type for CRT spot-killing. Type 76-1 handles up to 5 amps @ 125 V; Type 76-2 is rated 1 amp @ 125 V. Shpg. wt., 2 oz.
 961 B 5400, Type 76-1, SPST... Each .99
 961 B 5401, Type 76-2, DPST... Each .99
 961 B 5402, Type 76-4, SPDT... Each .99

OHMITE/MEMCOR VITREOUS-ENAMELED RHEOSTATS FROM 25-100 WATTS



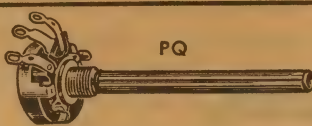
Selected wirewound rheostats. All are vitreous enameled. Rugged construction protects against smoking, charring, shrinking, or shifting. Have copper-graphite brushes, except *silver-graphite brushes. Ratings measured at full setting. U.L. Component-Program Recognized. Types H, J and K mount on panels up to $\frac{1}{4}$ " thick. Dimensions: Type H, $1\frac{1}{8}$ " diameter, $1\frac{3}{8}$ " depth behind panel; Type J, $2\frac{3}{8}$ " diameter, $1\frac{3}{8}$ " depth behind panel; Type K, $3\frac{1}{8}$ " diameter, $1\frac{3}{4}$ " depth behind panel. Av. shpg. wt. 8 oz.

25 WATT—TYPE H

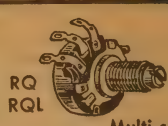
Stock No.	Mfr's Type	Ohms	EACH			
			1-4	5-9	10-24	
875 B 4025	0140*	1	5.30	4.51	3.55	
875 B 4026	0141	2	5.30	4.51	3.55	
875 B 4027	0142	3	5.30	4.51	3.55	
875 B 4028	0143	6	5.30	4.51	3.55	
875 B 4029	0144	9	5.30	4.51	3.55	
875 B 4030	0145	10	5.30	4.51	3.55	
875 B 4031	0146	15	4.80	4.08	3.22	
875 B 4032	0147	25	4.80	4.08	3.22	
875 B 4033	0148	35	4.80	4.08	3.22	
875 B 4034	0149	50	4.80	4.08	3.22	
875 B 4035	0150	75	4.80	4.08	3.22	
875 B 4036	0151	100	4.80	4.08	3.22	
875 B 4037	0152	125	4.80	4.08	3.22	
875 B 4038	0153	175	4.80	4.08	3.22	
875 B 4039	0154	250	4.80	4.08	3.22	
875 B 4040	0155	350	4.80	4.08	3.22	
875 B 4041	0156	500	4.80	4.08	3.22	
875 B 4042	0157	750	4.80	4.08	3.22	
875 B 4043	0158	1000	5.30	4.51	3.55	
875 B 4044	0159	1500	5.30	4.51	3.55	
875 B 4045	0160	2500	5.30	4.51	3.55	
875 B 4046	0161	3500	5.60	4.76	3.75	
875 B 4047	0162	5000	5.60	4.76	3.75	
875 B 4138	4200	7500	5.80	4.93	3.89	
875 B 4139	4201	10K	5.80	4.93	3.89	
875 B 4140	4202	15K	6.40	5.44	4.29	
875 B 4141	4203	20K	7.10	6.04	4.76	
875 B 4142	4204	25K	7.90	6.72	5.29	

50 WATT—TYPE J

Stock No.	Mfr's Type	Ohms	1-4	5-9	10-24
875 B 4052	0312	6	5.90	5.02	3.95
875 B 4054	0314	12	5.30	4.51	3.55
875 B 4056	0316	22	5.30	4.51	3.55



PQ



RQ
RQL



Multi-sections

Mfr's Type	Ohms	Taper	Stock No. PQ	Stock No. RQ	Stock No. RQL	Stock No. M
11-103	500	A	961 B 1500	961 B 1800	961 B 2000	961 B 2200
11-108	1000	A	961 B 1501	961 B 1801	961 B 2001	961 B 2201
11-110	2000	A	961 B 1502	961 B 1802	961 B 2002	961 B 2202
11-112	3000	A	961 B 1503	961 B 1803	961 B 2003	961 B 2203
11-114	5000	A	961 B 1504	961 B 1804	961 B 2004	961 B 2204
11-115	7500	A	961 B 1505	961 B 1805	961 B 2005	961 B 2205
11-116	10K	A	961 B 1506	961 B 1806	961 B 2006	961 B 2206
11-116	10K	C	961 B 1518	961 B 1807	961 B 2007	961 B 2207
11-119	20K	A	961 B 1507	961 B 1808	961 B 2008	961 B 2208
11-120	25K	A	961 B 1508	961 B 1809	961 B 2009	961 B 2209
11-123	50K	A	961 B 1509	961 B 1810	961 B 2010	961 B 2210
13-123	50K	C	961 B 1519	961 B 1811	961 B 2011	961 B 2211
13-128	100K	A	961 B 1510	961 B 1812	961 B 2012	961 B 2212
13-128	100K	C	961 B 1520	961 B 1813	961 B 2013	961 B 2213
11-129	200K	A	961 B 1511	961 B 1814	961 B 2014	961 B 2214
11-130	250K	C	961 B 1521	961 B 1815	961 B 2015	961 B 2215
11-130	250K	C	961 B 1521	961 B 1816	961 B 2016	961 B 2216
11-133	500K	A	961 B 1512	961 B 1817	961 B 2017	961 B 2217
13-133	500K	C	961 B 1522	961 B 1818	961 B 2018	961 B 2218
11-137	1.0 meg	A	961 B 1513	961 B 1819	961 B 2019	961 B 2219
13-137	1.0 meg	C	961 B 1523	961 B 1820	961 B 2020	961 B 2220
11-139	2.0 meg	A	961 B 1514	961 B 1821	961 B 2021	961 B 2221
11-140	3.0 meg	A	961 B 1515	961 B 1822	961 B 2022	961 B 2222
13-140	3.0 meg	C	961 B 1524	961 B 1823	961 B 2023	961 B 2223
11-141	5.0 meg	A	961 B 1516	961 B 1824	961 B 2024	961 B 2224
11-143	10.0 meg	A	961 B 1517	961 B 1825	961 B 2025	961 B 2225

PQ and RQ Controls...

M Multisections...

RQL Controls...

IRC-CTS Q CONTROL



Knurled, flatted, slotted, $3\frac{1}{2}$ " univ. can be cut to length. $1\frac{1}{8}$ " dia. $\frac{3}{8}$ " Taper A: Linear curve. Taper B: logarithmic taper. Solder terminals page for M multisections for ga switches. Av. shpg. wt. 4 oz.

Stock No.	Mfr's Type	Ohms
961 B 1723	Q11-201	250
961 B 1700	Q11-103	500
961 B 1701	Q11-108	1000
961 B 1702	Q11-109	1500
961 B 1703	Q11-110	2000
961 B 1725	Q13-111	2500
961 B 1704	Q11-112	3000
961 B 1705	Q11-114	5000
961 B 1726	Q13-114	5000
961 B 1706	Q11-116	10K
961 B 1707	Q11-119	20K
961 B 1708	Q11-120	25K
961 B 1727	Q13-120	25K
961 B 1709	Q11-123	50K
961 B 1728	Q13-123	50K
961 B 1710	Q11-128	100K
961 B 1729	Q13-128	100K
961 B 1711	Q11-129	200K
961 B 1712	Q11-130	250K
961 B 1730	Q13-130	250K
961 B 1731	Q11-133	500K
961 B 1732	Q13-133	500K
961 B 1713	Q11-137	1 meg
961 B 1732	Q13-137	1 meg
961 B 1716	Q11-138	1.5 meg
961 B 1719	Q11-139	2 meg
961 B 1733	Q13-139	2 meg
961 B 1724	Q11-239	2.5 meg
961 B 1720	Q11-140	3 meg
961 B 1721	Q11-141	5 meg
961 B 1722	Q11-143	10 meg

ALLIED CONTROL PACKAGES FOR A WIDE VARIETY OF APPLICATIONS

20 ASSORTED CONTROLS

Control package contains: one 10K ohm, one 25K ohm, one 100K, one 500K, one 1-megohm control, and five other values for uses in all types of equipment. In addition, package includes ten wirewound sensitivity controls that are ideal for a wide variety of applications such as color convergence, bias or hum. Shpg. wt. 12 oz.

271 B 5012.....2.49

10 ASSORTED CONTROLS

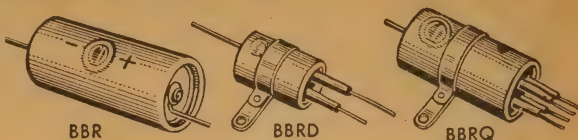
Control package assortment contains ten commonly used volume controls complete with knobs. Includes such items as one 2-megohm control with push-pull switch, one 20-ohm wirewound control with switch, one miniature 10K control with switch and seven additional popular values with switches. Shpg. wt. 10 oz.

271 B 5013.....2.49

Cornell-Dubilier, Elmenco and Centralab Capacitors

CORNELL-DUBILIER TUBULAR ELECTROLYTICS

electrolytic capacitors specifically designed for service retention applications. All are hermetically sealed in aluminum cation against heat and humidity, and have cardboard outer all have a common negative terminal which is grounded to the BBR section tabs and leads are riveted. Type BBR negative and positive lead is solidly crimped to an aluminum stud or operation up to +85°C, except 500 volt types which are temperatures up to +65°C. Av. shpg. wt., 6 oz.



/BBR* SINGLE SECTION

	Type	uF	WV	Size In.	E.A.
24*	25-6	25	6	3/8x1 1/16	.51
34*	50-6	50	6	3/8x1 1/16	.51
100-6	100	6	3/8x1 1/16	.69	
250-6	250	6	3/8x1 1/16	.81	
500-6	500	6	1 1/2x1 1/16	.93	
1000-6	1000	6	3/8x1 1/16	1.14	
2000-6	2000	6	3/8x2	1.38	
100-15	100	15	1/2x1 1/16	.75	
250-15	250	15	1/2x1 1/16	.93	
500-15	500	15	1/2x1 1/16	1.05	
1000-15	1000	15	5/8x1 1/16	1.41	
2000-15	2000	15	3/4x2	1.68	
10-25	10	25	3/8x1 1/16	.60	
20-25	20	25	3/8x1 1/16	.60	
25-25	25	25	3/8x1 1/16	.60	
50-25	50	25	1/2x1 1/16	.66	
100-25	100	25	1/2x1 1/16	.78	
250-25	250	25	1/2x1 1/16	1.02	
500-25	500	25	5/8x1 1/16	1.38	
5-50	5	50	3/8x1 1/16	.60	
10-50	10	50	3/8x1 1/16	.60	
25-50	25	50	1/2x1 1/16	.63	
100-50	100	50	1/2x1 1/16	.81	
250-50	250	50	1/2x1 1/16	.90	
500-50	500	50	1/2x1 1/16	1.05	
1000-50	1000	50	5/8x1 1/16	1.44	
4-150	4	150	3/8x1 1/16	.60	
8-150	8	150	1/2x1 1/16	.63	
10-150	10	150	1/2x1 1/16	.66	
12-150	12	150	1/2x1 1/16	.66	
16-150	16	150	1/2x1 1/16	.69	
20-150	20	150	1/2x1 1/16	.69	
25-150	25	150	3/4x1 1/16	.75	

BR/BBR SINGLE SECTION (Cont'd)

Stock No.	Type	uF	WV	Size In.	E.A.
755B0435	30-150	30	150	3/4x1 1/16	.75
755B0445	40-150	40	150	3/4x1 1/16	.81
755B0458	50-150	50	150	3/4x1 1/16	.84
755B0467	60-150	60	150	3/4x1 1/16	.87
755B0475	80-150	80	150	3/4x1 1/16	.93
755B0486	100-150	100	150	3/4x2	1.05
755B0496	150-150	150	150	1x2 3/16	1.11
755B0503	200-150	200	150	1x3	1.32
755B0518	300-150	300	150	1x3 3/16	1.77
755B0530	4-250	4	250	1/2x1 1/16	.63
755B0371	8-250	8	250	1/2x1 1/16	.69
755B0390	12-250	12	250	1/2x1 1/16	.75
755B0416	20-250	20	250	3/4x1 1/16	.81
755B0436	30-250	30	250	3/4x1 1/16	.87
755B0446	40-250	40	250	3/4x2	.93
755B0459	50-250	50	250	3/4x1 1/16	1.05
755B0468	60-250	60	250	1x1 1/16	1.08
755B0361	4-350	4	350	3/4x1 1/16	.63
755B0391	12-350	12	350	3/4x1 1/16	.78
755B0407	16-350	16	350	3/4x1 1/16	.84
755B0417	20-350	20	350	3/4x1 1/16	.87
755B0437	30-350	30	350	3/4x2	.99
755B0467	40-350	40	350	3/4x2	1.05
755B0469	60-350	60	350	1x2	1.17
755B0477	80-350	80	350	1x3	1.35
755B0488	100-350	100	350	1x3	1.50
755B0350	1-450	1	450	3/8x1 1/16	.66
755B0355	2-450	2	450	3/8x1 1/16	.66
755B0362	4-450	4	450	3/8x1 1/16	.69
755B0373	8-450	8	450	3/8x1 1/16	.75
755B0383	10-450	10	450	3/8x1 1/16	.78
755B0392	12-450	12	450	3/8x1 1/16	.81
755B0408	16-450	16	450	3/8x1 1/16	.84

BR/BBR SINGLE SECTION (Cont'd)

Stock No.	Type	uF	WV	Size In.	E.A.
755B0418	20-450	20	450	7/8x1 1/16	.93
755B0438	30-450	30	450	1x2	1.02
755B0448	40-450	40	450	1x2 3/16	1.08
755B0470	60-450	60	450	1x3	1.41
755B0478	80-450	80	450	1x3 3/16	1.68
755B0489	100-450	100	450	1x3 3/16	1.92
755B0363	4-500	4	500	3/8x1 1/16	.72
755B0374	8-500	8	500	3/8x1 1/16	.78
755B0419	20-500	20	500	3/8x2	.96
755B0439	30-500	30	500	1x2	1.05
755B0386	10-700	10	700	1 1/16x3 3/16	1.86
755B0411	16-700	16	700	1 1/16x4 3/16	2.25

BBRD DUAL SECTION

Stock No.	Type	uF	WV	Size In.	E.A.
755B0260	2215	20-20	150	3/4x1 1/16	.93
755B0269	3315	30-30	150	3/4x1 1/16	1.08
755B0275	4415	40-40	150	7/8x2	1.11
755B0281	5515	50-50	150	7/8x2	1.17
755B0283	5515	50-50	150	1x2	1.26
755B0287	8415	80-40	150	1x2 3/16	1.35
755B0249	0183.7	100-50	150	1x3	1.80
755B0292	101015	100-100	150	1x3	1.92
755B0262	2225	20-20	250	1x1 1/16	1.11
755B0255	0286	150-100	300	1 3/8x4 3/16	3.15
755B0240	8D45	8-8	450	7/8x1 1/16	1.02
755B0242	16D45	16-16	450	1x2 1/2	1.35
755B0265	2245	20-20	450	1x3	1.50
755B0278	4445	40-40	450	1x4 3/16	2.04

ELMenco DM DIPPED "DUR-MICA" SILVERED MICA CAPACITORS

ally high levels of reliability, ruggedness, and electrical performance make this the most widely used of all mica capacitors. Dip-molded epoxy eliminates heat and high compression, extreme humidity and moisture, increases reliability. Single point coat reduces thickness to a minimum consistent with good heat affecting electrical characteristics. The ideal combination of quality and size economy. All are rated 500 WVDC, except

†300 WVDC and †100 WVDC. Operates in temperatures ranging from -55°C up to +150°C without derating. Capacitance drift $\pm .05\%$, ± 1 pF/Characteristic F. All Dur-Mica capacitors meet or exceed MIL-C-5C and RETMA specifications for mica capacitors. Tolerance, $\pm 5\%$, except ± 5 pF. See table below for exact capacitor dimensions. Av. shpg. wt. 2 oz.



No.	Mfr's Type	pF	Size, LxWxT	EACH
208	DM-10-100†	10	.358x.387x.183	.31
215	DM-10-15†	15	.358x.387x.183	.31
221	DM-10-20†	20	.358x.387x.183	.32
225	DM-10-220†	22	.358x.387x.183	.32
233	DM-10-270†	27	.358x.387x.183	.32
240	DM-10-330†	33	.358x.387x.183	.32
245	DM-10-470†	47	.358x.387x.183	.32
248	DM-10-500†	50	.363x.395x.188	.32
251	DM-10-680†	68	.363x.395x.188	.32
254	DM-10-750†	75	.363x.395x.188	.32
259	DM-10-101†	100	.370x.405x.197	.26
216	DM-10-151†	150	.377x.415x.203	.32
222	DM-10-201†	200	.384x.425x.212	.39
230	DM-10-221†	220	.384x.425x.212	.40
233	DM-10-251†	250	.391x.438x.220	.45
265	DM-15-010†*	1	.446x.351x.163	.22
267	DM-15-020†*	2	.446x.351x.163	.22
269	DM-15-030†*	3	.446x.351x.163	.22
271	DM-15-050†*	5	.446x.351x.163	.22
275	DM-15-100†	10	.446x.351x.163	.22
281	DM-15-120†	12	.448x.355x.166	.22
285	DM-15-150†	15	.448x.355x.166	.22
290	DM-15-200†	20	.448x.355x.166	.22
293	DM-15-220†	22	.448x.355x.166	.22
302	DM-15-270†	27	.448x.355x.166	.22
306	DM-15-300†	30	.448x.355x.166	.22
309	DM-15-330†	33	.448x.355x.166	.22
316	DM-15-390†	39	.448x.355x.166	.22
323	DM-15-470†	47	.451x.360x.175	.22
327	DM-15-500†	50	.451x.360x.175	.22

Stock No.	Mfr's Type	pF	Size, LxWxT	EACH
782 B 1338	DM-15-680†	68	.451x.360x.175	.18
782 B 1342	DM-15-750†	75	.451x.360x.175	.18
782 B 1346	DM-15-820†	82	.451x.360x.175	.18
782 B 1276	DM-15-101†	100	.451x.360x.175	.18
782 B 1286	DM-15-151†	150	.457x.372x.190	.21
782 B 1288	DM-15-181†	180	.457x.372x.190	.25
782 B 1291	DM-15-201†	200	.457x.372x.190	.25
782 B 1294	DM-15-221†	220	.470x.395x.220	.26
782 B 1297	DM-15-251†	250	.470x.395x.220	.28
782 B 1303	DM-15-271†	270	.470x.395x.220	.29
782 B 1307	DM-15-301†	300	.470x.395x.220	.31
782 B 1310	DM-15-331†	330	.470x.395x.220	.34
782 B 1317	DM-15-391†	390	.470x.395x.220	.38
782 B 1324	DM-15-471†	470	.463x.371x.204	.42
782 B 1328	DM-15-501†	500	.463x.371x.204	.43
782 B 1331	DM-15-511†	510	.463x.371x.204	.45
782 B 1334	DM-15-561†	560	.463x.371x.204	.45
782 B 1339	DM-15-681†	680	.470x.378x.220	.53
782 B 1343	DM-15-751†	750	.470x.378x.220	.57
782 B 1347	DM-15-821†	820	.470x.378x.220	.62
782 B 1410	DM-19-102†	1000	.636x.490x.197	.41
782 B 1415	DM-19-122†	1200	.652x.506x.219	.47
782 B 1420	DM-19-152†	1500	.652x.506x.219	.56
782 B 1425	DM-19-202†	2000	.652x.506x.219	.68
782 B 1435	DM-19-252†	2500	.668x.520x.240	.81
782 B 1540	DM-30-502†	5000	.765x.855x.263	1.15
782 B 1542	DM-30-622†	6200	.773x.863x.287	1.35
782 B 1510	DM-30-103†	10,000	.783x.879x.323	2.12

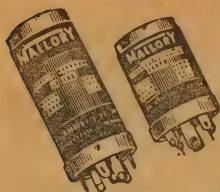
CENTRALAB TRIMMER CAPACITORS

*Dimension given is for body length.

Mfr's Type	pF Range	Base Size	EACH	Stock No.	Mfr's Type	pF Range	Base Size	EACH
0 822 EN	4-30	27/32x3/16	1.14	748B7074	823-AZ	12-62	15/16x1 1/2	3.60
0 822 CN	4.5-25	27/32x3/16	1.14	748B7165	827-B	3.5-12	1 1/2x3/4	.90
0 822 BN	7-45	27/32x3/16	1.14	748B7170	827-C	6-30	1 1/2x3/4	.90
0 822 AN	8-50	27/32x3/16	1.14	748B7175	827-D	7-35	1 1/2x3/4	.90
0 822 EZ	1.5-7	27/32x3/16	1.14	748B7185	829-B	5-3	1 1/2x3/4	.90
0 822 FZ	2.5-13	27/32x3/16	1.14	748B7190	829-C	1-6	1 1/2x3/4	.90
0 822 FZ	3-12	27/32x3/16	1.14	748B7195	829-10	1.5-10	1 1/2x3/4	.90
0 822 AZ	4.5-25	27/32x3/16	1.14					



All types rated at 500 WVDC. Power factor: less than $\pm 0.2\%$ at 1 MHz. Type 822 and 823 have steatite base; Type 827, phenolic base; 829 is tubular ceramic (with mounting screw and nut). Letter N in Type Number, negative temp. coeff. Z, zero temp. coeff. Wt. 2 oz.



TYPES FP, WP, PWP. Designed for filter, audio bypass and TV circuits. Precision engineered to remain stable under high ripple current, surge voltages and temperatures (+85° C). Can is common negative. Both FP and WP types have etched-plate anodes. All have standard twist-prong mount-

ing lugs with solder terminals. Made with vent and seal designs for better operation: 0-50 WVDC, -10 to +150%; WVDC, -10 to +100%; over 350 WVDC +50%. Comes with insulating washer. * refers to size. *Indicates PC terminals. 6

§	Dia. x L	§	Dia. x L	§	Dia. x L	§	Dia. x L	§	Dia. x L	§	Dia. x L
A	1x1½"	C	1x2"	E	1x3"	G	1½x2½"	J	1½x3½"	L	1½x4"
B	1x1¾"	D	1x2½"	F	1½x3"	H	1½x3"	K	1½x3"	M	1½x3"

SINGLE SECTION (FP, Except †WP, *PWP)—Specify Stock No. and Type When Ordering

Stock No.	Mfr's Type	Cap. µF	WV DC	§	EACH					Stock No.	Mfr's Type	Cap. µF	WV DC	§	EACH				
					1-9	10-24	25-49	50-Up							1-9	10-24	25-49	50-Up	
852 B 7702	039A†	1000	15	A	2.20	1.76	1.04	.84		852 B 1526	119A	300	150	F	2.45	1.96	1.17	1.00	
852 B 7704	041A†	2000	15	F	2.26	2.37	1.41	1.12		852 B 1528	121	120	200	F	1.96	1.57	1.00	1.00	
852 B 7706	042A†	3000	15	F	3.66	2.93	1.74	1.39		852 B 7726	123A†	500	200	H	4.23	3.39	2.00	2.00	
852 B 7709	055A†	100	25	A	1.44	1.15	.68	.55		852 B 1533	127	200	250	E	3.15	2.52	1.41	1.41	
852 B 3760	056*	400	25	B	1.99	1.59	1.08	.86		852 B 1534	128A	80	300	D	2.15	1.72	1.00	1.00	
852 B 7711	057A†	500	25	A	1.86	1.49	.89	.71		852 B 1535	129.1A	100	300	D	2.35	1.88	1.00	1.00	
852 B 7713	059†	1000	25	F	2.73	2.18	1.30	1.04		852 B 1537	131.7	160	250	G	2.34	1.87	1.00	1.00	
852 B 1510	060.2	2000	25	L	3.66	2.93	1.74	1.39		852 B 7731	132†	200	300	G	2.84	3.07	1.00	1.00	
852 B 1513	060.6A	5000	25	J	6.63	5.30	3.14	2.51		852 B 1540	138A	80	350	F	2.51	2.01	1.00	1.00	
852 B 7716	064A†	100	50	A	1.38	1.10	.65	.52		852 B 1541	140A	125	350	G	3.15	2.52	1.00	1.00	
852 B 7718	065†	500	50	F	2.19	1.75	1.04	.83		852 B 1543	140.6A	150	350	G	3.40	2.72	1.00	1.00	
852 B 7720	066B†	500	50	C	2.19	1.75	1.04	.83		852 B 1545	141	320	350	K	4.84	3.87	2.00	2.00	
852 B 1515	066.5	1000	50	F	3.00	2.40	1.62	1.30		852 B 1548	144A	20	450	C	1.58	1.26	1.00	1.00	
852 B 3764	067A*	1250	50	G	3.10	2.48	1.68	1.34		852 B 1552	146	40	450	D	1.90	1.52	1.00	1.00	
852 B 7723	068†	1500	50	H	3.71	2.97	2.00	1.60		852 B 1555	149	80	450	G	2.75	2.20	1.00	1.00	
852 B 1517	070A	2000	50	J	4.23	3.38	2.28	1.83		852 B 1557	150A	100	450	H	3.03	2.42	1.00	1.00	
852 B 1519	115A	50	150	A	3.15	2.52	1.49	1.19		852 B 1558	155A	125	450	H	3.44	2.75	1.00	1.00	
852 B 1520	116A	100	150	A	1.59	1.35	.80	.64		852 B 1561	173A	20	500	C	1.78	1.42	1.00	1.00	
852 B 1523	117A	150	150	C	1.94	1.55	.92	.74		852 B 1564	177	40	500	G	2.28	1.80	1.00	1.00	
852 B 1525	118A	200	150	F	2.13	1.70	1.15	.92		852 B 1570	187A	90	500	H	3.35	2.68	1.00	1.00	

DUAL SECTION (FP, Except †WP, *PFP)—Specify Stock No. and Type When Ordering

Stock No.	Mfr's Type	Cap. µF	WV DC	§	EACH					Stock No.	Mfr's Type	Cap. µF	WV DC	§	EACH				
					1-9	10-24	25-49	50-Up							1-9	10-24	25-49	50-Up	
852 B 7735	200†	1000-1000	15	F	3.64	2.91	1.72	1.38		852 B 1611	227A	20-20	350	C	1.99	1.59	1.00	1.00	
852 B 7736	200.1B†	1000-1000	15	C	3.64	2.91	1.72	1.38		852 B 1612	227.3A	30-30	350	D	2.40	1.92	1.00	1.00	
852 B 7744	201.5A†	1000-1000	35	G	4.14	3.31	1.96	1.57		852 B 1614	227.6A	80-80	350	H	4.05	3.24	1.00	1.00	
852 B 7747	202.5A†	100-100	50	A	1.84	1.47	.88	.70		852 B 1615	227.7A	100-100	350	J	4.60	3.68	2.00	2.00	
852 B 3715	213.1A*	50-30	150	L	1.85	1.48	.88	.70		852 B 1635	231A	10-10	450	C	1.68	1.34	1.00	1.00	
852 B 1578	214A	50-50	150	D	1.89	1.51	1.02	.82		852 B 1637	234A	20-20	450	D	2.21	1.77	1.00	1.00	
852 B 3717	214.3A	70-30	150	B	1.93	1.54	.91	.73		852 B 1640	238A	40-40	450	G	2.96	2.37	1.00	1.00	
852 B 1584	216.4A	200-200	150	G	3.45	2.76	1.64	1.31		852 B 1661	264.5A	80-40	475	K	4.31	3.45	2.00	2.00	
852 B 1606	221A	40-40	250	B	2.13	1.70	1.01	.81		852 B 1667	282.5	20-20	500	F	2.44	1.95	1.00	1.00	
852 B 1591	217.7A	150-150	250	G	4.05	3.24	1.92	1.54		852 B 1669	284A	30-30	500	F	3.25	2.60	1.00	1.00	
852 B 1592	217.74A	200-200	250	H	4.84	3.87	2.29	1.83		852 B 1671	288A	40-40	500	G	3.73	2.98	1.00	1.00	

TRIPLE SECTION—Specify Stock No. and FP Type When Ordering (†400-400-50 WVDC)

Stock No.	Mfr's Type	Cap. µF	WV DC	§	EACH					Stock No.	Mfr's Type	Cap. µF	WV DC	§	EACH				
					1-9	10-24	25-49	50-Up							1-9	10-24	25-49	50-Up	
852 B 1682	311.5A	40-40-40	150	B	2.19	1.75	1.04	.83		852 B 1825	375.8	10-10-10	450	D	2.25	1.80	1.00	1.00	
852 B 1752	330.7A	30-20-10	350	D	2.36	1.89	1.12	.90		852 B 1828	376.5A	20-20-20	450	G	3.10	2.48	1.00	1.00	
852 B 1756	331.3A	80-60-60	350	J	4.80	3.84	2.09	1.67		852 B 1833	377.1A	40-40-40	450	J	4.23	3.38	2.00	2.00	
852 B 1770	333.2A	80-40-100	‡	J	4.16	3.33	1.98	1.58		852 B 1837	378	80-40-20	450	K	4.56	3.65	2.00	2.00	

CAPACITOR MOUNTING HARDWARE



Selection of mounting hardware for capacitors subject to moderate or acute vibration. Hold capacitors securely in position, positively eliminating any chance of wobble or strain on terminal body. Straps are tinned steel; all others are cadmium plated.

A TUBULAR STRAPS (Wt., 1 oz.)

Stock No.	Dia. Size	EACH		
		1-99	100-999	1000-Up
755 B 0945	5/8"	.11	.07	.05
755 B 9025	1 1/8"	.11	.07	.05
755 B 0946	3/4"	.11	.07	.05
755 B 9130	1 3/8"	.11	.07	.05
755 B 9110	7/8"	.15	.10	.08
755 B 9095	1 3/8"	.15	.10	.08
755 B 9118	1"	.15	.10	.08
755 B 9065	1 3/8"	.15	.10	.08

B "C" CLAMPS (Wt., 1 oz.)

Stock No.	Dia. Size	EACH		
		1-99	100-999	1000-Up
755 B 9084	5/8-3/4"	.15	.10	.08
755 B 9085	7/8-1"	.15	.10	.08

C MOUNTING RINGS (Wt., 1 oz.)

Stock No.	Dia. Size	EACH		
		1-99	100-999	1000-Up
852 B 7530	1-1 1/8"	.32	.15	.11
852 B 7532	1 3/8-1 3/8"	.32	.15	.11
852 B 7533	1 1/2-1 3/8"	.32	.15	.11
852 B 7535	1 3/4-1 3/8"	.38	.18	.13
852 B 7536	2-2 1/8"	.63	.30	.22
852 B 7538	2 1/2-2 3/8"	.63	.30	.22

C MOUNTING RINGS (Cont'd)

Stock No.	Dia. Size	EACH		
		1-99	100-999	1000-Up
755 B 7540	3"	.75	.36	.22

D UNIVERSAL CLIPS (Wt., 1 oz.)

Stock No.	Dia. Size	EACH		
		1-99	100-999	1000-Up
852 B 6010	3/8-7/8"	.15	.10	.08
852 B 6012	1/2-3/4"	.15	.10	.08
852 B 6014	5/8-1 1/8"	.15	.10	.08
852 B 6016	3/4-1 3/8"	.19	.11	.09
852 B 6018	7/8-1 3/8"	.19	.11	.09
852 B 6020	1-1 1/8"	.19	.12	.10
852 B 6022	1 1/8-1 3/8"	.19	.12	.10

E MOUNTING SOCKETS (Wt., 2 oz.)

Stock No.	Dia. Size	EACH		
		1-99	100-999	1000-Up
750 B 0816	1"	.65	.42	.....
750 B 0817	1 3/8"	.95	.61	.....

For Mallory FP type capacitors. Permit instant replacement. Molded from black bakelite. Recessed center contacts for extended prongs. Also takes short prongs.

F MOUNTING WRENCH

For locking "Twist-Prong" electrolytic capacitors securely into position. 1 unit, 77¢. Shpg. wt., 1 lb.
852 B 3095.....

G MOUNTING PLATES (Wt., 1 lb.)

Standard mounting plates for "Twist-Prong" capacitors. *Phenolic. #Mount 1" dia. can over a 1 1/4" dia. can.

Stock No.	Size	Stock No.	Size
852 B 0305	1 1/4"	852 B 2440	1 1/4"
852 B 0307	1 3/8"	852 B 2442	1 3/8"
852 B 9160	1 1/2"	852 B 9161	1 1/2"

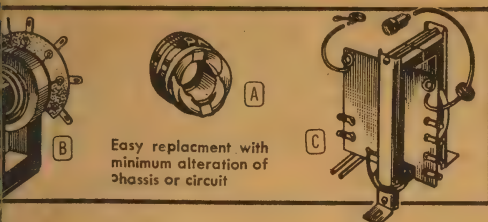
1-99 Ea. .11 100-999 Ea. .08 1000-10000 Ea. .05

KRAFT INSULATING SLEEVES (Wt., 1 lb.)

852 B 0485	3/4x2"	852 B 0493	1 1/2x2"
852 B 0487	1x2"	852 B 0490	1 1/2x2"
852 B 0491	1x2 1/2"	852 B 0496	1 1/2x2 1/2"
852 B 0488	1x3"	852 B 0494	1 1/2x3"
852 B 0489	1 1/2x2"	852 B 9140	
1.99 Ea	11	100-.999 Ea	08 1000-

TV Transformers, Fuses and Circuit Breakers

TANCOR REPLACEMENT TV TRANSFORMERS



Easy replacement with minimum alteration of chassis or circuit

A DEFLECTION YOKES

° deflection angle picture tubes except $\pm 90^\circ$, $\pm 70^\circ$. Ferrite with cosine-wound windings. All have networks, extra-long when needed. *Color. Av. shpg. wt. per yoke, $1\frac{1}{2}$ lbs.

No.	Type	Mfr. Part or Desc.	EACH
0090	DY-9A†	Multipurpose	12.86
0091	DY-11A†	Multipurpose	13.64
0092	DY-13A	Multipurpose	13.08
0093	DY-16A†	Multipurpose	13.73
0094	DY-26A	RCA 906125-504	14.31
0095	DY-27A	RCA 109965	13.08
0096	DY-38A	Multipurpose	12.73
0097	DY-42A	RCA 103830	12.81
0098	DY-51A	Packard-Bell 29758, A	14.38
0099	DY-54A	Philco 761250	14.54
0100	DY-59AT	Multipurpose	16.63
0101	DY-61AT	Multipurpose	15.25
0102	DY-63A	Multipurpose	15.23
0103	DY-90AC*†	Multipurpose	35.75
0104	DY-91AC*†	Zenith 95-2501	34.51

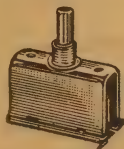
B C HORIZONTAL OUTPUT TRANSFORMERS

flyback transformers for replacement in standard television sets. Electrical characteristics of the original unit unflinching by every transformer. Minimum alteration of existing or chassis is required; easy installation. *Color. Shpg. wt. transformer, 1 lb.

No.	Mfr.	Type	Mfr. Part or Desc.	EACH
16	Admiral	HO-164	79D47	13.60
17	Admiral	HO-204	79C60-1-4	10.43
18	Admiral	HO-242	79D65-1	12.08
22	Admiral	HO-301	79D65-2-4	10.97
33	Admiral	HO-397	750C647-3	12.16
34	Admiral	HO-404	79D117-1	7.81
19	GE	HO-254	RTO-129-183-190	10.89
28	GE	HO-377	WT-77X41, 42, 44, 45	11.56
29	GE	HO-378	WT-77X43, 46, 47, 48	11.56
30	GE	HO-389	ET77X74	11.54
31	GE	HO-402	ET-77X90	9.66
20	Motorola	HO-280	24K741938	14.44
21	Motorola	HO-293	24C36488	13.08
24	Motorola	HO-344	24K748397-W	11.51
23	Olympic	HO-315	TR-3599-A-D-1-2-3-4-5-6	11.19
25	Zenith	HO-363	49918, 50095, 50097	11.48
26	Zenith	HO-364	S51583, S5840-C, S58826	10.49
27	Zenith	HO-366	S46564	11.48
30	Zenith	HO-380	S58350-S65352-S66717-S68398	13.39
35	.....	HO-600C*	Multipurpose	17.86
36	.....	HO-601C*	Multipurpose	17.86
50	Admiral	HO-607C*	Multipurpose	18.16

LITTELFUSE CIRCUIT BREAKERS

reset circuit breakers for industrial and commercial equipment. Provide quick overload protection. Tripping circuit has ambient temperature compensation. "Trip-free" feature prevents contacts from being manually held closed when overload occurs. *Hold current. With 1/2 oz. adapter. $1\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$ in. $\frac{1}{2}$ oz.



	Mfr's Type	* Amps	Stock No.	Mfr's Type	* Amps	EACH		
						1-99	100-499	500-999
09	815002.5	1.65	845B0501	815.650	0.49	.96	.80	.64
10	81552.75	1.92	845B0502	815.800	0.60	.96	.80	.64
11	815003	2.10	845B0503	815001	0.65	.96	.80	.64
12	8153.25	2.20	845B0504	8151.25	0.93	.96	.80	.64
13	815004	2.50	845B0505	81501.5	1.00	.96	.80	.64
14	81504.5	3.00	845B0506	8151.75	1.20	.96	.80	.64
15	815005	3.25	845B0507	815002	1.40	.96	.80	.64
16	815006	3.90	845B0508	8152.25	1.50	.96	.80	.64
17	815007	4.14				.96	.80	.64

LITTELFUSE PRECISION-MADE CIRCUIT BREAKERS AND ASSORTED DEPENDABLE FUSE HOLDERS

TYPE 3AG SLO-BLO FUSES

Series 313000. Have high time-lag to withstand heavy surges. All rated at 125 volts max. except *32 volts. 2 oz.



Amperes	Stock No.	5 PER PACKAGE	Amperes	Stock No.	5 PER PACKAGE
1/16	845B0211	1.23	1-1/2	845B0230	1.14
1/10	845B0212	1.23	1-6/10	845B0231	1.14
1/8	845B0213	1.23	2	845B0232	1.14
.175	845B0215	1.23	2-8/10	845B0234	.90
3/16	845B0216	1.23	3	845B0235	.90
2/10	845B0217	1.23	3-2/10	845B0236	.90
1/4	845B0218	1.23	4	845B0237	.90
3/10	845B0219	1.23	5	845B0238	.90
3/8	845B0220	1.23	6-1/4*	845B0239	.90
4/10	845B0221	1.23	7*	845B0240	.90
1/2	845B0222	1.23	8*	845B0242	.90
6/10	845B0223	1.23	10*	845B0243	.90
7/10	845B0224	1.23	15*	845B0244	.90
3/4	845B0225	1.23	20*	845B0245	.90
1	845B0227	1.23	30*	845B0247	.90

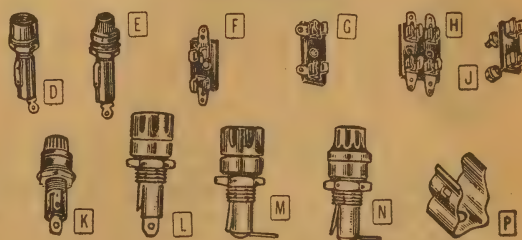
TYPE 3AG STANDARD FUSES

Series 312000. Quick-acting standard fuses. Rated at 250 volts maximum, except *125 volts and ± 32 volts. Shpg. wt. 2 oz.



Amperes	Stock No.	5 PER PACKAGE	Amperes	Stock No.	5 PER PACKAGE
1/100	845B0123	2.25	2	845B0138	.39
1/32	845B0124	1.98	2-1/2	845B0139	.39
1/16	845B0125	.87	3	845B0141	.39
1/8	845B0126	.87	4	845B0143	.48
15/100	845B0127	.87	5	845B0144	.48
3/16	845B0128	.87	6	845B0145	.48
2/10	845B0129	.87	8*	845B0105	.69
1/4	845B0130	.57	4†	845B0101	.39
3/10	845B0131	.57	5†	845B0102	.28
3/8	845B0132	.57	6†	845B0103	.28
1/2	845B0133	.57	7-1/2†	845B0104	.28
6/10	845B0134	.57	10†	845B0107	.28
3/4	845B0135	.57	15†	845B0110	.28
1	845B0136	.39	25†	845B0113	.28
11/2	845B0137	.39	30†	845B0116	.28

FUSE HOLDERS



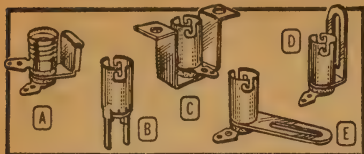
FOR 3AG AND 3AB Av. shpg. wt. 2 oz.

Stock No.	Mfr's Type	Fig.	Description	EACH
845B0298	341001	D	Screw slot	.57
845B0299	342001	E	Thumb knob	.57
845B0401	342012	K	Extractor post	.41
845B0402	342014	L	Miniature fuse post	.41
845B0400	342004	M	Miniature fuse post	.48
845B0404	342022	N	Miniature fuse post	.48
845B0423	350218	G	Single fuse mounting	.19
845B0425	353001	J	Panel-type mounting	.56
845B0426	356001	F	Screw terminals	.38
845B0427	357001	F	Lug terminals	.19
845B0428	357002	H	Double fuse mounting	.35
845B0296	101001	P	Phosphor bronze clips	.04

Allied offers the world's largest stocks of electronic components. You'll like the selection and our quick service, too.

Pilot and Indicator Lights, Lamp Sockets, Timers

LEECRAFT LAMPHOLDER ASSEMBLIES, NEON PILOT LIGHTS AND INDICATORS



LAMPHOLDER ASSEMBLIES

Series 7-00. Miniature bayonet sockets with insulated mounting brackets. Terminals are tinned for easy soldering. For low-voltage incandescent lamps as T-3½, G-3½, and G-4½. *Designed for printed circuits. Shpg. wt. 1 oz.

Stock No.	Type	Socket	Bracket	EACH
844 B 3100	7-01	C	A	.50
844 B 3102	7-04	C	A	.50
844 B 3103	7-05	D	A	.50
844 B 3104	7-06	C	A	.50
844 B 3105	7-07	C	NONE	.50
844 B 3107	7-11	C	C	.50
844 B 3108	7-13	E	B	.50
844 B 3111	*7-35	B	B	.71

Series 5-00. Miniature screw sockets. Tinned solder terminals. For low-voltage incandescent lamps as T-3¼, TL-3, or G-3½. Cadmium-plated steel brackets. Shpg. wt. 1 oz.

Stock No.	Type	Socket	Bracket	EACH
844 B 2700	5-01	A	A	.45
844 B 2701	5-04	A	A	.45
844 B 2702	5-05	A	E	.45
844 B 2703	5-06	A	E	.45
844 B 2704	5-07	A	NONE	.45
844 B 2706	5-13	A	E	.45

DIALCO ASSEMBLIES, LAMPS



LOW-V ENCLOSED SIGNAL ASSEMBLIES

F Series 81-9110. Convex lens; smooth face, frosted back. ¼" white, nickel-plated brass holders. 2¼" long, ½" mtg. hole. Panels up to ¾" thick. *Translucent, unfrosted. Solder terminals. Less lamp. Shpg. wt. 2 oz.

Stock No.	Type	Color	EACH
770 B 0438	-0111-102	Red	.92
770 B 0439	-0112-102	Green	.92
770 B 0440	-0113-102	Amber	.92
770 B 0441	-0114-102	Blue	.92
770 B 0442	-0135-102*	White	.92

HALF-INCH OPEN MIN. BAYONET TYPES

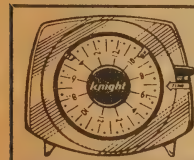
G Series 502-8140. Have ½" lens and ¼" mounting hole. Faceted and unfrosted. Less lamp. Shpg. wt., 2 oz.

Stock No.	Type	Color	EACH
770 B 1451	-2131-100	Red	.63
770 B 1452	-2132-100	Green	.63
770 B 1453	-2133-100	Amber	.63

T-3¼ LAMPS FOR ABOVE

Single-contact miniature bayonet lamps for Series 81-9110 and 502-8140. Shpg. wt., 2 oz.

Stock No.	V	Box of 10	Stock No.	V	Box of 10
770 B 1454	6-8	.90	749 B 2050	28	2.20
770 B 1455	3.2	1.50	749 B 2051	12-16	1.70

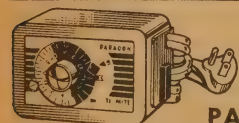


Handles
up to
1875
Watts

KNIGHT ALL-PURPOSE TIMER

Makes virtually any electrical appliance automatic. Minimum ON time, 15 minutes; maximum ON time, 23½ hours. Can be set to skip a day. Manual control with automatic reset. Dove gray case, midnight blue dial. 5x4x½". 6' cord, instructions. U.L. Listed. AC.

58 B 8420, Shpg. wt. 2 lbs. 8.77



Makes Every
Air Conditioner
Automatic

PARAGON

AIR CONDITIONER TIMERS

Type AC. 24-hour dial. Minimum time between ON and OFF, 2 hours. SPST switch contacts rated 12 amps full load at 120V and 240V, 60 Hz AC. Four no-mar feet for desk use, 2 holes on backplate for wall mounting. Beige case, 2½x4x2½". With 5-ft. cord, right-angle grounding plug, 3-wire grounded receptacle. Wt. 1¼ lbs.

58 B 8810, Type AC1-0, 120V. 10.88
58 B 8811, Type AC4-20, 208-240V. 11.88

SNAPLITE NEON PILOT LIGHTS

Snap into ½"-diameter holes in panels of any thickness without additional hardware. White nylon housing contains long-life neon lamp and built-in resistor for proper circuit voltage. ½ watt. Series 32 is for 110-125 volts; Series 35 is for 210-250 volts. Plastic lens caps for 110-200°C. Series 32 has up to 15,000-hour life; Series 35, up to 25,000 hours. *U.L. Recog. 5 oz.



CYLINDRICAL-CAP TYPES

Stock No.	Mfr's Type	Color	EACH
844 B 0300	32-2111	Red	.96
844 B 0301	32-2113	Amber	.96
844 B 0303	32-2117	Clear	.96
844 B 0302	32-2115	White	.96
844 B 0800	35-2111	Red	.96
844 B 0801	35-2113	Amber	.96

DOME-CAP TYPES

Stock No.	Mfr's Type	Color	EACH
844 B 0311	32-2211T	Red	.96
844 B 0312	32-2213T	Amber	.96
844 B 0313	32-2215T	Clear	.96
844 B 0314	32-2217T	White	.96

FLUSH-CAP TYPES

Stock No.	Mfr's Type	Color	EACH
844 B 0315	32-2311	Red	.96
844 B 0316	32-2313	Amber	.96
844 B 0317	32-2315	White	.96
844 B 0318	32-2317	Clear	.96
844 B 0319	32-2311T	Red	.96
844 B 0322	32-2313T	Amber	.96

"TINEON" INDICATORS

Extremely long-life, high-brightness neon indicator lights press-fit quickly and firmly. ½"-diameter holes. Have durable nylon housing and plastic lens. Lamp housing is 1½". Complete with speed nut for maximum tightness, lamp and built-in resistor to suit circuit voltage and ensure maximum lamp life. Rated 110-125 volts. Have 18 insulated wire leads, 6" long. *U.L. Recog. C.S.A. Listed. Shpg. wt., 5 oz.

STANDARD BEZEL TYPES

Stock No.	Mfr's Type	Color
844 B 0400	36N-2311	Red
844 B 0401	36N-2313	Amber
844 B 0402	36N-2315	White
844 B 0403	36N-2317	Clear

ALUMINUM-BEZEL HI-HAT-LENS TYPE

Stock No.	Mfr's Type	Color
844 B 0900	36EN2111	Red
844 B 0901	36EN2113	Amber
844 B 0902	36EN2115	White
844 B 0903	36EN2117	Clear

ALUMINUM-BEZEL FLUSH-LENS TYPE

Stock No.	Mfr's Type	Color
844 B 0904	36EN2311	Red
844 B 0905	36EN2313	Amber
844 B 0906	36EN2315	White
844 B 0907	36EN2317	Clear

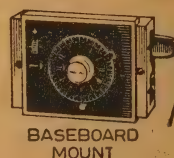
SOCKETS, REDUCERS FOR NEON, ARGON, PILOT LAMP



Reducer fits into socket to convert to more commonly used bulb bases. *Indicates socket with built-in hard rubber in metal shell. Av. shpg. wt., 3 oz.

Stock No.	Fig.	Description
749 B 4010	H	Edison socket
749 B 3038	H	Miniature screw socket
749 B 3160	J	Candelabra screw socket
749 B 3161	H	Candelabra screw socket
754 B 3802	K*	D.C. bay, candelabra socket
754 B 3801	L	D.C. bay, candelabra socket
754 B 3800	L	S.C. bay, candelabra socket
754 B 3803	M	Edison-to-Cand. reducer
754 B 3162	N	Candelabra-to-Min. reducer
754 B 3163	N	Intermediate-to-Cand. reducer

"TIME-ALL" IN-WALL AUTOMATIC TIMERS WITH A BUILT-IN LOG



BASEBOARD
MOUNT

WALL
MOUNT

Mount in wall switch or in outlet box. Provides automatic control of lights, fans, everything electric up to a maximum load of 1875 watts at 15 amps. On switch allows manual control. Discs provide while you're away from home. Full 24-hour timer resets itself automatically. Minimum ON time, 15 min. maximum OFF time, 23 hours 45 min. 5½x3½x2¼". Requires min. 2x3x12 100 VAC. U.L. Listed.

58 B 8309, Model 1010, Wall-switch operation. Shpg. wt. 1½ lbs.
58 B 8308, Model E-1012, Baseboard counter installation. Wt. 1½ lbs.



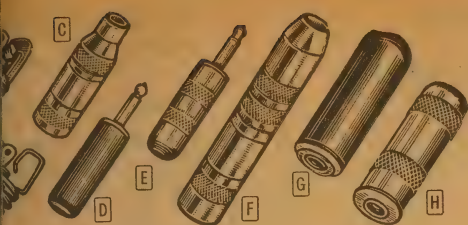
SETH THOMAS

ACROTYNE
COMMERCIAL
WALL CLOCK

Operates about a year on one "D" cell. Has precision transistorized, tuning-fork controlled movement. Adjustable within 2 seconds per day. White convex dial, black numerals and hands, red sweep-second hand. Durable steel case. 14½" diameter, 2¾" depth. Big 12" dial. Less battery.

58 B 8243, Model 612 Bronze, 4½ lbs. 32.50
58 B 8244, Model 613 Chrome, 4½ lbs. 35.00

Switchcraft Plugs and Jacks



"LITTEL-JAX" PHONE JACKS

standard 1/4" phone plugs, except S-11, which takes S250, and 385 plugs, and C-12B which takes 480 Military-type, lug 3/4" dia., 1 1/2" overall, with a 3/4" dia. threaded shank, 1/4" and L-12A, have bushing 1/2" long. SCC indicates single unit; OC indicates open circuit. Av. shpg. wt., 3 oz.

No.	Type	Diag.	Cond.	Circuit	JAN Type	EACH
80	11	I	2	OC	JJ-034	.30
76	L-11	I	2	OC		.36
89	S-11	I	2	OC		.33
85	12A	I	2	SCC		.33
14	C-12A	II	2	SCC	JJ-089	.54
77	L-12A	II	2	SCC		.39
86	12B	III	3	OC		.39
15	C-12B	III	3	OC	JJ-033	.69
05	13B	IV	3	SCC		.57

"TINI-JAX" SUBMINIATURE PHONE JACKS

small 2-conductor jacks for "Tini-Plugs". 1/4" long; fit 1/4" OC, open circuit; CC, closed circuit. Av. shpg. wt., 2 oz.

No.	Type	Diag.	Cond.	Circuit	EACH
796	41	I	2	OC	.30
302	42A	II	2	CC	.33

JACK SCHEMATIC DIAGRAMS



125 "Tini-Extension Jax." Two-conductor; solder lug terminals with "Tini-Plugs," below. Wt., 2 oz. Each .84

"TINI-PLUGS" SUBMINIATURE PHONE PLUGS

With "Tini-Jax". 1 1/2" overall length. 2-conductor. Wt., 2 oz.

No.	Type	Fig.	Term.	Handle	EACH
335	740	D	Screw	Black	.54
339	745	D	Screw	Red	.54
343	750	D	Solder	Black	.51
347	755	D	Solder	Red	.51
354	770	E	Screw	Shielded	.72
362	780	E	Solder	Shielded	.69

EXTENSION JAX" CABLE EXTENSION JACKS

ard 1/4" plugs. 1 1/2" O.D.; 2 1/2" long. 121 and 131 1/4" O.D.; 2 1/2" are open circuit type. Shpg. wt., 3 oz.

No.	Type	Fig.	Cond.	Term.	Handle	EACH
61	121	F	2	Solder	Shielded	1.14
70	131	F	2	Solder	Shielded	1.41
84	80	G	2	Screw	Black	.81
08	88	G	2	Solder	Black	.72
57	830	G	3	Screw	Black	1.08
40	120	H	2	Screw	Shielded	1.08
78	1230	H	3	Screw	Shielded	1.38

ULTRAMINIATURE PLUGS AND JACK

J TR Series "Micro-Plugs." Handy ultraminiature plugs and jack featuring same uniformity, dependability and quality construction as "Littel-Jax" and "Tini-Plugs." Extremely small, only 1/4" long; 1/4" O.D.—1/2 the size of standard plugs! Have nylon insulation between tip and sleeve circuits; sleeve terminal is tinned brass. Tip and sleeve are nickel-plated machined brass. All have screw circuit cable clamp; accommodate cables to 1/4" dia. With screw-on anodized aluminum handle. Shpg. wt. 2 oz.

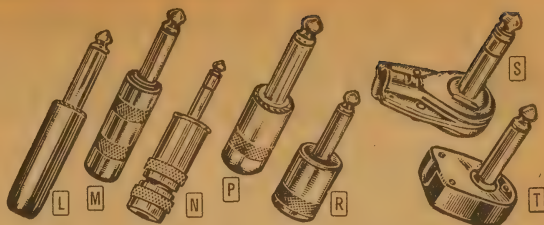
86. Type 850. Black Handle. Each .48
89. Type 855. Red Handle. Each .48
95. Type 880. Natural Handle. Each .48

A "Micro-Jax." For "Micro-Plugs." 2 cond. sgl. closed circuit; usable as 2 cond. open circuit. Requires .190" mounting hole. Is up to 1/8" thick. Shpg. wt., 2 oz. Each .36

THICK-PANEL PHONE JACKS

Have extra long bushings for use in panels up to 1/4" thick. Ideal for wall paneling, hi-fi installations, etc. Shielded for microphone use. Require 1/2" mounting hole. Wt., 2 oz.

980. Type 151. 2 Conductor. Each .93
983. Type 152B. 3 Conductor. Each 1.02



"LITTEL-PLUG" PHONE PLUGS

Small-size phone plugs; fit standard 1/4" phone jacks, except Types S250 and S280. 206" plugs for S-11 "Littel Jax" and for Bell & Howell equipment; Type R280 which has short sleeve for Revere recorders. Plugs with solder terminals feature built-in cable clamp; others do not include cable clamp. Metal (shielded) handles are nickel-plated brass; for use in microphone or other input leads as well as outputs requiring continuous shield. All handles are 1 1/8" long and 1/2" in diameter. Av. shpg. wt., 4 oz.

Stock No.	Type	Fig.	Cond.	Color	Terminals	EACH
932 B 1033	240	L	2	Black	Screw	.54
932 B 1036	245	L	2	Red	Screw	.54
932 B 1039	250	L	2	Black	Solder	.51
932 B 0196	S250	L	2	Black	Solder	.54
932 B 1041	255	L	2	Red	Solder	.51
932 B 1044	260	L	3	Black	Screw	.84
932 B 1050	267	L	3	Black	Solder	.75
932 B 1053	270	M	2	Metal	Screw	.75
932 B 1056	280	M	2	Metal	Solder	.72
932 B 0188	R280	M	2	Metal	Solder	.93
932 B 0198	S280	M	2	Metal	Solder	.72
932 B 1060	290	M	3	Metal	Screw	.99
932 B 1064	297	M	3	Metal	Solder	.93

STANDARD PHONE JACKS

Standard-size 1/4", 2- and 3-conductor type phone plugs to fit all standard jacks. Metal (shielded), red or black molded bakelite handles; 2 1/2" long, 3/4" diameter, except 1" long. Type 170 is similar to 70, but has 2-piece handle with cable clamp for 1/2" cable. No. 190A is similar to 90, but has same handle as 170. Metal (shielded) handle types are for use in microphone or input cables and wherever continuous shielding is required. Av. shpg. wt., 5 oz.

Stock No.	Type	Fig.	Cond.	Color	Terminals	EACH
932 B 0760	40	L	2	Black	Screw	.57
932 B 0802	45	L	2	Red	Screw	.57
932 B 0860	60	L	3	Black	Solder	.75
932 B 0880	70	M	2	Metal	Screw	.90
932 B 0990	170	N	2	Metal	Screw	1.17
932 B 0995	190A	N	3	Metal	Solder	1.38
932 B 0925	90*	R	3	Metal	Solder	.96
932 B 0987	160*	R	2	Metal	Screw	.72

"LUG-PLUG" PHONE PLUGS

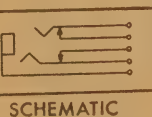
Low-cost two-conductor, phone plugs. All fit 1/4" jacks. Have solder terminals. Exterior parts bright nickel plated. Black handle is 1 1/8" long, 1/2" diameter. Type 380 has shielded, bare metal handle 1 1/8" long, 1/2" diameter. Av. shpg. wt. 4 oz.

Stock No.	Type	Figure	Color	EACH
932 B 1147	350	L	Black	.45
932 B 1210	380	P	Metal	.57

FLAT PHONE PLUGS

1/4" phone plugs featuring flat, space-saving handles. Ideal for applications where conventional plugs would protrude too far and interfere with operation of equipment, prevent installation in tight quarters, etc. Fig. T units have easily removable plastic handle; Fig. S units have shielded steel handle, bright nickel plated. Types 220 and 225 will accept standard phone tips. Type S230 is commercial version of Military Type PJ-068 plug; has .206" diameter sleeve and tip. Terminals and body are mechanically interlocked. Av. shpg. wt. 4 oz.

Stock No.	Type	Fig.	Cond.	Color	Terminals	EACH
932 B 0031	238	S	2	Metal	Solder	1.02
932 B 1022	228	S	2	Metal	Solder	.69
932 B 1015	220	T	2	Black	Screw	.78
932 B 1018	225	T	2	Red	Screw	.78
932 B 1020	227	T	2	Black	Solder	.63
932 B 1025	230	T	3	Black	Screw	.96
932 B 1027	235	T	3	Red	Screw	.96
932 B 1029	237	T	3	Black	Solder	.93
932 B 0194	S230	T	3	Black	Solder	1.23



STEREO

"LITTEL-JAX"

Three-conductor jack for switching-out speakers when connecting stereo head phones and for switching three-wire stereo input circuits.

Mates with Switchcraft 1/4" "Littel-Plugs" such as 260, 267, 269 and 297. Insulation XXP phenolic. Spring-tempered nickel-silver alloy. Integral contacts standard in the separate switching circuits. Nickel-plated brass bushing mounts in 3/8" dia. hole. Length behind panel, 1". With locknut and washer. Shpg. wt., 3 oz. Each .72
932 B 0509, Type 14B

Allied® Resistors, Controls and Capacitors

CARBON RESISTOR ASSORTMENTS AT SPECIAL LOW PRICES



Great values in wide selection of carbon resistors for many applications in service repairs, hobbies, experiments, etc. Manufactured under the strictest quality control. Tinned axial leads for trouble-free soldering. Noise-free; color-coded. $\frac{1}{2}$ WATT. $\pm 10\%$ tolerance. Two each: 3.9, 10, 12, 15, 22, 27, 39, 82, 120, 150, 180, 270, 390, 470, 560, 680, 820, 1200, 1800, 2700, 3300, 3900, 5600, 6800, 8200, 12k, 18k, 22k, 27k, 33k, 39k, 68k, 82k, 100k, 120k, 150k, 330k, 390k, 470k, 680k, 820k ohms: 1, 1.5, 1.8, 2.2, 3.3, 5.6, 6.8, 8.2, 10 megohms.

271 B 5001.....100 for 3.49

$\frac{1}{4}$, $\frac{1}{2}$, 1, 2 WATTS. 25 $\frac{1}{4}$ -watt, 100 $\frac{1}{2}$ -watt, 25 1-watt, 50 2-watt. $\pm 5\%$ and $\pm 10\%$. Color coded.

271 B 5002, Wt. 10 oz.....200 for 4.98

$\frac{1}{2}$, 1, 2 WATTS. 40 $\frac{1}{2}$ -watt, 30 1-watt, 30 2-watt. $\pm 5\%$, $\pm 10\%$ tol.

271 B 5003, Wt. 5 oz.....100 for 3.49

BARGAIN IN POWER RESISTORS



Popular values
3 to 30 watts

Unbeatable value in a package of 50 power resistors with leads for easiest possible soldering. Assortment includes popular values in 3 to 30 watt ratings. $\pm 10\%$ tolerance. Manufactured to meet rigid specifications. Stock up now at this low price. Shpg. wt. 10 oz.

271 B 5009.....50 for 3.49

Stock up now at low prices and save on carefully selected assortments of high quality resistors made by famous manufacturers to rigid standards

$\frac{1}{2}$ WATT. 100 popular values. $\pm 10\%$.

271 B 5004, Wt. 5 oz.....100 for 1.98

$\frac{1}{4}$ WATT. 150 popular values. $\pm 10\%$ tolerance. Color coded.

271 B 5005, Wt. 1 lb.....150 for 3.49

$\frac{1}{2}$ WATT. 200 popular values. $\pm 5\%$, $\pm 10\%$ tolerance. Color coded.

271 B 5006, Wt. 10 oz.....200 for 3.98

$\frac{1}{2}$ WATT. Two each: 10, 12, 15, 18, 22, 27, 33, 39, 47, 56, 68, 82, 100, 120, 150, 180, 220, 270, 330, 390, 470, 560, 680, 820, 1000, 1200, 1500, 1800, 2200, 2700, 3300, 3900, 4700, 5600, 6800, 8200, 10k, 12k, 15k, 18k, 22k, 27k, 33k, 39k, 47k, 56k, 68k, 82k, 100k, 120k, 150k, 180k, 220k, 270k, 330k, 390k, 470k, 560k, 680k, 820k; 1-5 megohms. Save time and trouble—keep a stock of this assortment on hand. And save money, too—stock up now while prices are this low. Shpg. wt. 10 oz.

271 B 5007.....150 for 4.95

PRECISION RESISTORS

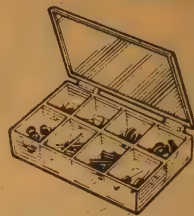


Precision-made with $\pm 1\%$ tolerance, molded deposited carbon, 100 different values

Wide selection of 100 different precision molded deposited carbon resistors for application in industry and service repairs. Have $\pm 1\%$ tolerance. Value is indicated on resistors, with fourth digit showing number of zeroes for fast, easy identification. Shpg. wt. 4 oz.

271 B 5010.....Pkg. of 100 for 1.98

Assortment in Plastic Case



Assortment of values for experimenters, service and hobbyists

$\frac{1}{2}$ WATT ASSORTMENT. Eight each: 47k, 100k, 270k, 1 meg; five each: 10k, 220k, 2.12 megohms; five each: 22k, 27k, 33k, 330k, 47 meg; four: 100, 470, 1500, 2200, 2700, 56k, 68 meg; three each: 41, 220, 270, 10 Shpg. wt. 4 $\frac{1}{2}$ lbs. Stock up now.

271 B 5008.....150 for 3.49

FILM, DEPOSITED ASSORTMENT

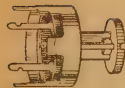


Popular values in assorted package deposited carbon and tin oxide film resistors. Excellent for a wide variety of applications including use in television. Made to high specification standards. Contains 30 pieces of low deposited-carbon $\frac{1}{2}$ -watt resistors, tolerance of $\pm 5\%$, and 20 pieces oxide power resistors that have ratings 2 watts to 7 watts. All have time for quick and easy installation and protection against humidity and moisture preventing costly and needless repairs. Shpg. wt. 4 lbs.

271 B 5011.....Pkg. of 100 for 4.95

ALLIED CONTROL PACKAGES FOR A WIDE VARIETY OF APPLICATIONS

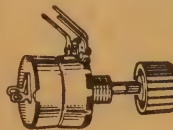
20 ASSORTED CONTROLS



Control package contains: one 10k ohm, one 25k ohm, one 100k, one 500k, one 1-megohm control, and five other values for uses in all types of equipment. In addition, package includes ten wire-wound sensitivity controls that are ideal for a wide variety of applications such as color convergence, bias or hum. Shpg. wt. 12 oz.

271 B 5012.....2.49

10 ASSORTED CONTROLS



Control package assortment contains ten commonly used volume controls complete with switches. Includes such items as one 2-megohm with push-pull switch, one 20-ohm wire control with switch, one miniature 10k with switch and seven additional popular controls. Shpg. wt. 10 oz.

271 B 5013.....1.49

ALLIED CAPACITOR PACKAGES



15 High-Voltage Electrolytics. Twist lock or FP cans. Values: 20 μ F @ 450 volts; 30-30 μ F @ 450-450 volts; 40-40 μ F @ 350-350 volts; 60-20 μ F @ 450-450 volts; plus 11 others. 1-4 sections.

272 B 5007, 5 lbs.....Pkg. 15/3.49



60 Printed Circuit Ceramic Capacitors. Save by buying an assortment of parallel lead ceramic cased capacitors for printed circuits. Upright mtg. type. Package contains: 10 each of .01, .03, .047, .05, .1 and .47 μ F, 100 to 600 volts. Shpg. wt. 1 lb.

272 B 5008.....Pkg. 60/1.98



10 Tubular Electrolytic Capacitors. Multi-section. Values: 100-100-40 μ F @ 250-250-250 V; 100-150 @ 150-50; 40-20-20 @ 150-150-25; 10-10 @ 250-250; 100-60 @ 150-50.

272 B 5009, Wt. 3 lbs. Pkg. 10/2.98



10 High-Capacity Tubular Electrolytics. Type most needed for transistor power equipment. Three 100 μ F @ 15 V; three 200 μ F @ 6 V; two 500 μ F @ 15 V; one 1000 μ F @ 35 V; one 2000 μ F @ 35 V.

272 B 5010, 1 $\frac{1}{4}$ lbs.....Pkg. 10/2.49

DISC CERAMICS BY FAMOUS MANUFACTURERS



Capacitor devices most commonly required in circuits now selected in money saving assortment quality disc capacitors with ceramic dielectric from famous manufacturers to their rigid standards for faithful, reliable service and maximum length of life. 48-piece assortment includes values from 2 pF to 10 μ F at 50 to 5000 VDC. Parallel wire leads. All are of States manufacture. Shpg. wt. 8 oz.

272 B 5004.....48 for 3.49

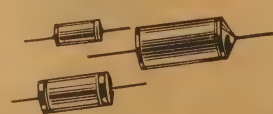
ASSORTMENT OF 40 MINIATURE ELECTROLYTICS



Specially selected for most-common applications you save money. Assortment of miniature electrolytic capacitors in handy plastic storage case. These are high-quality capacitors made to exacting specifications for printed circuit use. Five each of: 2 μ F, 25 WVDC; 10 μ F at 6, 15 μ F at 6 WVDC; 2 μ F at 25 WVDC; 10 μ F at DC; 10 μ F at 50 WVDC; 20 μ F at 50 WVDC; and at 3 WVDC.

272 B 5005, Shpg. wt. 8 oz.....40 for 3.49

ASSORTMENT OF 100 POLYSTYRENE-FILM CAPACITORS



Fine bargain in a specially selected common-usage assortment of polystyrene-film capacitors containing 100 of twenty values from 20 pF to 6800 pF, ranging from 50 to 630 volts for a wide variety of applications. 10% tolerances. These quality capacitors have a resistance exceeding 100,000 megohms. Will outperform foil, mylar and mica capacitors. Shpg. wt. 10 oz.

272 B 5006.....100 for 3.49

Capacitor and Semiconductor Assortments

CAPACITOR ASSORTMENTS ... ALL IN PLASTIC CASES



Electrolytics. For solid-state circuit applications. High-construction reduces risk of premature failure. Five each: 16 WVDC; 20 μ F at 20 WVDC; 30 μ F at 6 WVDC; 50 μ F VDC; 100 μ F at 3 WVDC. Five each of two other values.

5001. Shpg. wt. 8 oz. 40 for 4.98

Capacitor Assortment. (Not illustrated) Ceramic or molded. .01; twelve: .05; eight: .005, .02; .1; five: .001, .002, .047; .047, .03, .25 μ F.

5002. Shpg. wt. 2 lbs. 72 for 6.49

Ceramic Disc Assortment. (Not illustrated). Short-lead discs for printed circuit boards. Capacitance ranges from .01 μ F. All rated 500 WVDC.

5003. Shpg. wt. 1 lb. 100 for 2.98

VALUES IN TRANSISTORS



Power Transistors. Germanium PNP power transistor type 76 for audio power amplifiers. Power rated to 3 amps at 30 $^{\circ}$ C. Beta, 25V; I_{CBO} ; 3 milliamperes; Gain, 33.5 decibels. For 28 volt circuits.

5019. Shpg. wt. 4 oz. Pkg. of 2 for 79¢

Transistors. Check this bargain. Four NPN Transistors for a quarter each. Equivalents of 2N168, 2N169 and BV600, 15V; BV_{CE} , 10V. I_C peak, 400 milliamperes. or experiments in application of theory.

5020. Shpg. wt. 4 oz. Pkg. of 4 for 88¢

Vatt PNP Transistor. A special Allied Radio Shack bargain. A germanium-alloy junction type. Power rated to 15 amp. 30 volts. Compatible in circuits replacing Delco Type 501, 2N278 and 2N173, and other types.

5021. Shpg. wt. 3 oz. Each 87¢

FAMOUS-BRAND ZENER DIODES

Experimental Projects
Ancient Circuit Set-Ups



produced diodes have a 1 to 2-watt power rating. Two lead devices are equipped with axially-mounted leads and $\pm 10\%$ tolerance. Pkg. of 2. Shpg. wt. 2 oz.

5008. 3.9 Volt. 2 for 88¢

5009. 6.8 Volt. 2 for 88¢

5010. 12 Volt. 2 for 88¢

5011. 18 Volt. 2 for 88¢

5012. 33 Volt. 2 for 88¢

5013. Assortment of 12. 250-mm to stud mount. Listed for rating, 2.7 to 33V. Shpg. wt. 4 oz. 12 for 2.98

EPOXY SILICON RECTIFIERS

ert Power Supplies from AC
Now at These Low Prices



nt choice for applications in experimenter's circuit designs. 750 milliamper output, $1\frac{1}{2}$ " axial leads, epoxy construction. 2. Shpg. wt. 3 oz.

5014. PIV 200. 2 for 59¢

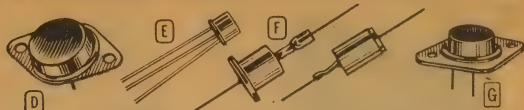
5015. PIV 400. 2 for 88¢

5016. PIV 600. 2 for 99¢

5017. PIV 800. 2 for 1.39

5018. PIV 1000. 2 for 2.25

TRANSISTOR AND RECTIFIER BARGAINS



D 25-pc. Audio Transistor Assortment. 4 TO-3 PNP; 4 TO-3 NPN; 2 TO-13 PNP; 4 TO-5 PNP DAP; 4 TO-9 PNP; 2 TO-18NPN; 5 TO-24 MADT. Shpg. wt. 6 oz.
276 B 5004. Pkg. of 25 for 2.98

E 25-pc. RF and AF Transistor Assortment. 5 TO-3 PNP AF; 5 TO-3 NPN AF, 15 watts; 3 TO-5 PNP AF, 3 watts; 5 TO-3 PNP RF; 5 TO-3 NPN RF, 1 MHz; 2 TO-5 PNP RF, 2 MHz. Wt. 12 oz.
276 B 5005. Pkg. of 25 for 2.98

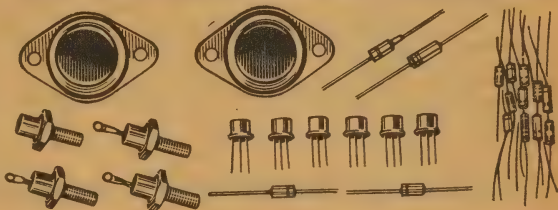
F 25-pc. Rectifier Assortment. All are case cathode type unless indicated otherwise. All have axial leads. More than 50 PIV. Assortment includes: 7 DO-12; 3 DO-1; 3 DO-1 in anode type case; 6 A-31; 6 A-31 in anode type case. Shpg. wt. 8 oz.
276 B 5006. Pkg. of 25 for 2.98

G 25-pc. Transistor Assortment. 3 TO-3 PNP Ge AF; 3 TO-3 PNP Ge RF; 3 TO-3 NPN AF; 3 TO-3 NPN RF; 2 TO-5 PNP Ge AF; 6 TO-24 PNP Ge MADT RF; 3 TO-9 PNP Ge AF; 2 TO-18 NPN AF. Stock up while you have a chance at this bargain price. Shpg. wt. 8 oz.
276 B 5007. Pkg. of 25 for 2.98

SAVE \$3 WHEN YOU BUY ALL FOUR PACKAGES

Separately \$11.92. Money-saving deal for electronics enthusiasts.
276 B 5023. Shpg. wt. $1\frac{1}{2}$ lbs. All 4 Packages for 8.92

SAVE ON SEMICONDUCTOR ASSORTMENTS



38-Piece Assortment. Carefully selected for the experimenter, hobbyist, and technician. Contains a wide variety of semiconductors in popular types. Includes 4 PNP transistors, 4 NPN transistors, 2 power transistors (in TO-3 case), 4 silicon rectifiers (rated 2 amps), 20 germanium diodes, and 4 zener diodes (rated $\frac{3}{4}$ watt). Save time and trouble—keep a stock of these conveniently on hand. Stock up now while prices are this low. Shpg. wt. 4 oz.
276 B 5001. 38 for 2.25

100-Piece Assortment. 2 TO-3 PNP germanium AF, 15 watts; 2 TO-3 NPN silicon mesa, 15 watts; 2 TO-3 PNP germanium, 15 watts; 4 TO-9 PNP germanium, 0.4 watt; 4 TO-5 NPN germanium, 0.4 watt; 15 TO-24 PNP germanium MADT, 0.2 watt; 2 TO-5 PNP germanium DAP, 2 watts; 5 DO-7 germanium, 0.2 watt; 2 TO-18 SCR; 22 DO-7 germanium, 0.2 watt, 27 DO-7 silicon, 0.4 watt; 4 DO-4 silicon; 4 silicon zeners, 0.75 watt; 5 DO-7 silicon zeners, 0.4 watt.
276 B 5002. Shpg. wt. 1 lb. 100 for 5.49

60-Piece Assortment. 15 MADT high-frequency transistors, 50 MHz; 5 zener diodes, 400 mW (assorted voltages); 2 TO-5 PNP germanium, 3 amp; 5 IN82A germanium diodes; 2 SCR, 0.2 amp (low voltage); 2 TO-3 NPN silicon mesa power; 2 TO-3 PNP germanium power; 27 SCR, 400 mW (more than 25 PIV). Shpg. wt. 8 oz.
276 B 5003. 60 for 3.25

AUDIO AMPLIFIER INTEGRATED CIRCUIT

Fairchild NJS716 medium-power, low-distortion audio amplifier integrated circuit perfect for experimentation, illustration of theory and hobbyist's circuit designs. Has gains to 10, 20, 100, 200. Integrated circuit contains 11 transistors, 6 diodes, 18 resistors. Includes booklet explaining purpose, function plus instructions.
276 B 5024. Shpg. wt. 1 oz. Each 5.95



HEAT SINK ASSORTMENT

Here's a great value in 12-piece heat sink assortment. Draws transistor heat away to prevent deterioration due to excessive heat build-up. Contains eight 10-fin heat sinks for JEDEC TO-5 transistor cases and four to fit JEDEC TO-18 transistor cases. Be sure to stock up now at this low price. Shpg. wt. 4 oz.

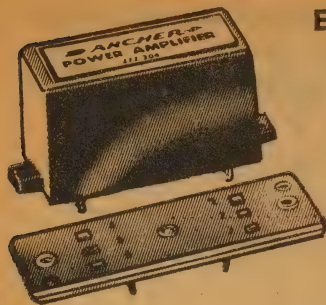
276 B 5022. 12 for 2.25



Solid-State Electronic Modules for the Hobbyist

EASY PROJECT CONSTRUCTION WITH "PLUG-IN" MODU

Completely wired, including the socket the module plugs into



249
Each

A completely new concept in semiconductor modules especially design the hobbyist, experimenter, and the kit builder. The only module that into a socket. Each module is permanently encapsulated. With a few add easy-to-wire accessories such as batteries and speakers you can create a cal and enjoyable device. Each module is thoroughly checked at the fact reliable performance and each comes complete with easy to read detail instructions and a parts list. Very reliable and long lasting for your safe convenience. Good for many types of equipment. 100% solid state. measurements: 1" high x 2 1/2" wide x 3/8" deep.

POWER AMPLIFIER

Capable of producing a power output of up to 300 milliwatts. Use with FM tuners, microphone preamplifier module (277-202) or phono preamplifier module (277-201). Frequency response, 40-12,000 Hz. Transformerless output.
277 B 204, Shpg. wt. 6 oz.2.49

PHONO PREAMPLIFIER

Designed for use with hi-fi amplifiers that do not have enough gain to amplify the output of a magnetic cartridge. Output of 0.5 to 1 volt—power enough to drive most amplifiers to full output.
277 B 201, Shpg. wt. 6 oz.2.49

WIRELESS CODE OSCILLATOR

Capable of producing a tone frequency through any AM broadcast band radio when connected to a battery and key. Produces a 400 Hz note which can be transmitted without any wire for a short distance. An aid to learning the Morse code.
223 B 207, Shpg. wt. 6 oz.2.49

DUAL LAMP FLASHER

This versatile electronic flasher is capable of flashing 6-volt, 100 milliamper bulb alternately. Use as emergency flasher for cars, planes or boats . . . for animated store displays. Ideal for model warning systems at RR crossings, for warning light outside dark-room.
277 B 208, Shpg. wt. 6 oz.2.49

FM WIRELESS GUITAR AMPLIFIER

This unique module allows you to use your FM receiver for an any electrical string instrument without the use of both connecting wires. Simply tune to a clear spot on the FM display your favorite music or newscast.
277 B 203, Shpg. wt. 6 oz.

FM WIRELESS MICROPHONE

Use or transmit your voice through any standard FM receiver out the use of wires. Just connect mike (crystal or ceramic) talk. Voice can be transmitted over short distances in your
277 B 205, Shpg. wt. 6 oz.

MICROPHONE PREAMPLIFIER

Can be used to raise a microphone's level of output. This the microphone suitable for use with most amplifiers or Cteur transmitters. Produces an output of .5 to 1 volt—power to drive most amplifiers or modulators to their full output.
277 B 202, Shpg. wt. 6 oz.

CODE PRACTICE OSCILLATOR

Ideal for practicing the international Morse code, for sending way code communications (by adding a second speaker and key). Produces a clear note of 400 cycles. Educational and young and old alike.
277 B 206, Shpg. wt. 6 oz.

AN AMAZING CONCEPT IN SPACE-AGE ELECTRONICS

An introduction to the new world of microminiature electronics at a price any hobbyist can easily afford!

These modules introduce you to today's world of microminiature electronics at a price any hobbyist or experimenter can afford. Each contains the solid-state circuit for such electronic devices as amplifier, intercom, PA, and many other types. Make connections to battery, switch, speaker or other accessories (listed below), and create many fascinating and useful electronic devices for the home, shop, or office. Modules are permanently encapsulated in virtually indestructible plastic nuggets. All of the modules are quality constructed to the highest engineering standards. Absolutely safe to use. Good for many different kinds of equipment. Av. shpg. wt. 6 oz.

SHORTWAVE CONVERTER

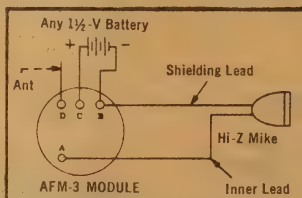
CM-S. Tunes 25, 31, 41-meter bands (7-12 MHz) when used with any AM radio. Use with A at right. Hear exciting broadcasts from foreign countries, Voice of America, Amateurs, government time signals.
277 B 5005, Shpg. wt. 9 oz.5.00

VHF POLICE, FIRE CONVERTER

CM-P. Receives local police, fire, trucking companies and public utilities when used with any AM radio. Tunes 30-50 MHz VHF band. Use A and D at right. An entertaining and useful accessory.
277 B 5004, Shpg. wt. 6 oz.5.00

VHF AIRCRAFT CONVERTER

CM-A. Receive calls from planes and airports when used with your AM radio. Will provide hours of entertainment. Tunes 118-128 MHz. Use A at right.
277 B 5002, Shpg. wt. 6 oz.5.00



All are 1 1/2 x 1 1/4 x 1", except TVM-1, 2 x 1 1/2 x 1/2

TV WIRELESS MIKE TRANSMITTER

TVM-1. Have fun transmitting your voice to your television set on channels 2, 3, or 4. Use with A and B at right, plus 100,000 ohm potentiometer.
277 B 5009, Shpg. wt. 2 oz.5.00

POLICE, WEATHER CONVERTER

CM-H. Receive local 150-164 MHz police, fire, public utility, weather when used with your FM radio. Use A, C at right.
277 B 5003, Shpg. wt. 8 oz.5.00

METAL LOCATOR

DL-1. Use with an AM radio to detect and locate metal objects. Use A, C at right. Good for locating hidden pipes, lost coins.
277 B 5006, Shpg. wt. 1 oz.5.00

SIGNAL INJECTOR

SI-7. Generates 2 kHz audio-frequency signal, plus radio frequency harmonics to 30 MHz. Use A at right.
277 B 5013, Shpg. wt. 1 oz.5.00

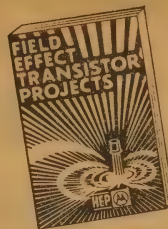
ACCESSORIES

- A** Allied 9-Volt Battery. Quality long batteries.
18 B 5980, Wt. 6 oz. Pkg. of 2
- B** Crystal Lapel Mike. High-imp. mike. Response: 60-5000 Hz, output. A very small mike that goes completely unnoticed.
24 B 9881, Shpg. wt. 4 oz.
- C** Type U-12 5000 Ohm Control. control. Easy to install and use.
46 B 3751, Shpg. wt. 3 oz.
- D** Metal Box. Gray. 4x2 1/8x1 1/8".
24 B 9688, Shpg. wt. 4 oz.

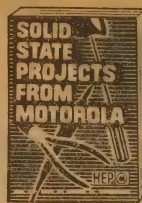
Motorola HEP Semiconductor Devices

low-cost line of solid-state devices offering a broad variety of designs for hobbyists, experimenters and technicians. Used in conjunction with design books (listed below), they provide a wide range of informative, practical circuit designs.

Field Effect Transistor Projects. 96 pages. Size, 5½x8½".	1.00
..... 5 oz.	
099.....	1.00
Solid State Projects from Motorola. 68 pages. Size, 5½x8½".	
..... 4 oz.	
100.....	50¢
Integrated Circuits Projects from Motorola. 96 pages. Size, 5½x8½".	
pg. wt. 5 oz.	
101.....	50¢



HEP-408



HEP-400



HEP-407

COMPLETE DEVICE LINE FOR HOBBYISTS AND EXPERIMENTERS

GERMANIUM TRANSISTORS

No.	Type HEP-	Description	EACH
001	2	PNPRF Type, 100 MHz, 150 mW	.89
002	3	PNPRF Type, 1000 MHz, 300 mW	1.25
003	3	PNPRF Type, 250 MHz, 100 mW	1.25
004	200	PNP Power Type, TO-3, 3 Amps, 90 Watts	.82
005	230	PNP Power Type, TO-3, 5 Amps, 90 Watts	.89
006	231	PNP Power Type, TO-36, 15 Amps, 150 Watts	1.69
007	232	PNP Power Type, TO-3, 7 Amps, 90 Watts	2.34
008	233	PNP Power Type, TO-36, 15 Amps, 170 Watts	4.20
009	234	PNP High-Voltage Power Type, Vertical Deflection Amp, 200 V, 5 A, 56 W.	3.25
010	235	PNP High-Voltage Power Type, Horizontal Deflection Amp, 320 V, 10 A, 56 W.	4.50
011	250	PNP General-Purpose Type, Medium gain, 200 mW	.79
012	251	PNP General-Purpose Type, High gain, 200 mW	.89
013	252	PNP General-Purpose Type, Low leakage, 200 mW	.89
014	253	PNP General-Purpose Type, Medium gain, 225 mW	.95
015	254	PNP General-Purpose Type, Medium gain, 225 mW	.89

SCR's—TRIGGERS—TRIACS

No.	Type HEP-	Description	EACH
016	300	Thyristor (SCR) 50 V, 5 A	2.29
017	302	Thyristor (SCR) 200 V, 5 A	2.69
018	304	Thyristor (SCR) 50 V, 15 A	4.35
019	305	Thyristor (SCR) Reverse Polarity, 50 V, 15 A	4.60
020	306	Thyristor (SCR) 200 V, 15 A	5.90
021	307	Thyristor (SCR) Reverse Polarity, 200 V, 15 A	6.20
022	310	Silicon Unijunction, 30 mW	1.10
023	311	Silicon NPN Bilateral Trigger, 35 V, 2 A	.99
024	320	Thyristor (SCR) 50 V, 8 A	.99
025	340	Triac 200 V, 8 A	4.49

ZENER DIODES

No.	Type HEP-	Description	EACH
026	101	10 V, 400 mW	.95
027	102	3.6 V, 1 W	1.20
028	103	6.2 V, 1 W	1.20
029	104	9.1 V, 1 W	1.20
030	105	12 V, 1 W	1.20

RECTIFIERS AND DIODES

No.	Type HEP-	Description	EACH
031	134	Germanium diode—substitute for Type 1N34A	.26
032	135	Germanium diode—substitute for Type 1N60	.26
033	151	Silicon Power Rectifier—stud-type, 50 PIV, 15 A	.79
034	153	Silicon Power Rectifier—stud-type 200 PIV, 15 A	1.24
035	154	Silicon Rectifier—Axial leads, 50 PIV, 1 A	.36

RECTIFIERS AND DIODES (Cont'd)

Stock No.	Type HEP-	Description	EACH
276 B 6036	156	Silicon Rectifier—Axial leads, 200 PIV, 1 A	.49
276 B 6037	157	Silicon Rectifier—Axial leads, 400 PIV, 1 A	.56
276 B 6038	158	Silicon Rectifier—Axial leads, 600 PIV, 1 A	.66
276 B 6039	159	Silicon Rectifier—Axial leads, 800 PIV, 1 A	.92
276 B 6040	160	Silicon Rectifier—Axial leads, 1000 PIV, 1 A	1.45
276 B 6041	161	Silicon "Top Hat" Rectifier—50 PIV, 3 A	1.09
276 B 6042	162	Silicon "Top Hat" Rectifier—200 PIV, 3 A	1.25
276 B 6043	170	Silicon Rectifier—Axial leads, 1000 PIV, 25 A	.82

MOUNTING KITS, ACCESSORIES

Stock No.	Type HEP-	Description	EACH
276 B 6044	450	Mounting Kit for Devices in TO-3 Case	.30
276 B 6045	500	Heat Sink for Devices in TO-3 Case	2.35
276 B 6046	501	Heat Sink for Devices in TO-36 Case	2.35
276 B 6047	452	Mounting Kit for Devices in TO-66 Case	.32
276 B 6048	451	10-Pin Integrated Circuit Socket, Pkg. of 2	1.49
276 B 6049	453	14-Pin Dual In-Line Integrated Circuit Socket	.99
276 B 6050	454	8-Pin Integrated Circuit Socket, Pkg. of 2	1.49
276 B 6051	455	Mounting Kit for Devices in TO-36 Case	.32
276 B 6052	456	Mounting Kit for Devices with 10-32 Threads	.30
276 B 6053	457	Mounting Kit for Devices with ¼-28 Threads	.32

FIELD EFFECT TRANSISTORS

Stock No.	Type HEP-	Description	EACH
276 B 6054	801	N-Channel Audio FET	1.59
276 B 6055	802	N-Channel RF FET	1.59
276 B 6056	803	P-Channel Audio FET	3.39

DUAL DIODES, RECTIFIER BRIDGES

Stock No.	Type HEP-	Description	EACH
276 B 6057	165	Silicon Dual Diode with common cathode	.62
276 B 6058	166	Silicon Dual Diode with common anode	.60
276 B 6059	175	Full-Wave Bridge Rectifier—50 PIV, 1 A	1.49
276 B 6060	176	Full-Wave Bridge Rectifier—200 PIV, 1 A	2.05
276 B 6061	177	Full-Wave Bridge Rectifier—400 PIV, 1 A	2.25
276 B 6062	178	Full-Wave Bridge Rectifier—600 PIV, 1 A	3.05

SILICON TRANSISTORS

Stock No.	Type HEP-	Description	EACH
276 B 6063	50	NPN RF—100 MHz, 300 mW	.79
276 B 6064	51	PNP RF—50 MHz, 600 mW	1.29
276 B 6065	52	NPN RF—100 MHz, 300 mW	.95
276 B 6066	53	PNP RF—50 MHz, 600 mW	1.15
276 B 6067	54	NPN RF—30 MHz, 310 mW	1.08
276 B 6068	55	NPN RF—210 MHz, 310 mW	1.20

SILICON TRANSISTORS (Cont'd)

Stock No.	Type HEP-	Description	EACH
276 B 6069	56	NPN (UHF Oscillator)—750 MHz, 310 mW	1.44
276 B 6070	57	PNP RF—200 MHz, 310 mW	1.20
276 B 6071	75	NPN Power—TO-5, VHF/UHF, 5 Watts	2.95
276 B 6072	76	PNP RF Power—TO-5, VHF/UHF, 5 Watts	4.95
276 B 6073	240	NPN Power—TO-66, 300 V, 500 mA, 10 W	2.05
276 B 6074	241	NPN Power—TO-66, 120 V, 5 A, 40 W	1.79
276 B 6075	242	PNP Power—TO-5, 40 V, 3 A, 6 W. Comp. to HEP-243	2.40
276 B 6076	243	NPN Power—TO-5, 40 V, 3 A, 6 W. Comp. to HEP-242	1.79
276 B 6077	244	NPN Power—Case 77 "Thermopad," 300 V, 50 mA, 25 W	2.15
276 B 6078	245	NPN Power—Case 77 "Thermopad," 40 V, 3 A, 30 W. Comp. to HEP-246	1.99
276 B 6079	246	PNP Power—Case 77 "Thermopad," 40 V, 3 A, 30 W. Comp. to HEP-245	2.29
276 B 6080	247	NPN Power—TO-3, 40 V, 10 A, 150 W. Comp. to HEP-248	2.80
276 B 6081	248	PNP Power—TO-3, 40 V, 3 A, 150 W. Comp. to HEP-247	6.49

DIGITAL INTEGRATED CIRCUITS

Stock No.	Type HEP-	Description	EACH
276 B 6082	553	MECL Half-Adder	1.89
276 B 6083	554	MECL Bias Driver	1.49
276 B 6084	555	MECL 3-Input Gate	1.79
276 B 6085	558	MECL J-K Flip-Flop	2.39
276 B 6086	570	RTL Quad Gate	2.10
276 B 6087	571	RTL Dual Buffer	2.10
276 B 6088	572	RTL Dual J-K Flip-Flop	3.90
276 B 6089	580	RTL Dual 2-Input Gate	.95
276 B 6090	581	RTL 4-Input Gate	.95
276 B 6091	582	RTL Dual Buffer	.99
276 B 6092	583	RTL J-K Flip-Flop	1.49
276 B 6093	584	RTL Dual 2-Input Gate	1.89

LINEAR INTEGRATED CIRCUITS

Stock No.	Type HEP-	Description	EACH
276 B 6094	590	High-Frequency Amplifier	3.99
276 B 6095	591	Audio IF Amplifier	3.60
276 B 6096	592	Dual (Stereo) Preamp	3.25
276 B 6097	593	1-Watt Power Amplifier	7.95

PHOTO TRANSISTOR

Stock No.	Type HEP-	Description	EACH
276 B 6098	312	Silicon, sensitive to near ultra-violet	2.49

HEP CROSS REFERENCE GUIDE

HMA-07. Lists approximately 12,000 semiconductor types replaced by Motorola HEP semiconductor devices. Indexed by JEDEC and Manufacturer's Numbers for easy use. 55 pages. 276 B 6102. Shpg. wt. 2 oz. 25¢



Celestial Display

HARNESS AND TRANSMIT LIGHT WITH THIS DELUXE ARCHER FIBER OPTICS

9⁹⁵

- Over 1600 Fibers Transmit Light For
- Fibers May Be Used Over and Over
- Accessory Kit has Variable Color Co

Make fiber optic displays, light pipes, image pipes, or experiments with any of 1000 dazzling uses with this deluxe plastic and fiber optic light sensor kit. Light travels by means of multiple reflection through these remarkable fibers. Each optically perfect fiber cuts and bends like wire, guiding or piping light around corners or up walls. Can be used to trigger light sensitive devices. Kit includes: 1400-12" glass fibers, 200-14" glass fibers in jackets, 64-24" plastic fiber light pipes.

Accessory kit has: 25-ft. 10 mil solid plastic light wire, 2" stock with ball magnifier, assorted light pipe jackets, 2" adapters, 10-pc. kit of light pipe end fittings, 6-pc. heat kit, tube of optical adhesive, 9 assorted rigid vinyl stems, rings, 5 fiber optic instruction booklets.

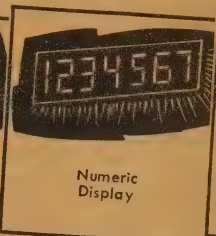
272 B 302. Shpg. wt. 2 lbs.



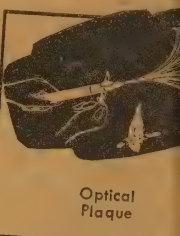
Plastic/Glass Light Pipe



Magic Fiber Wand

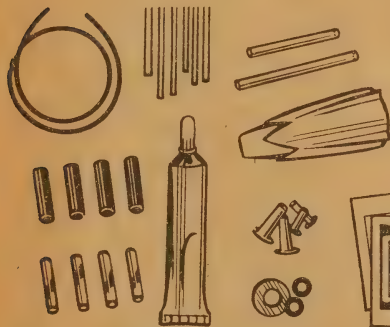


Numeric Display



Optical Plaque

DESIGN UNIQUE DISPLAYS WITH THIS ARCHER GLASS FIBER OPTICS KIT

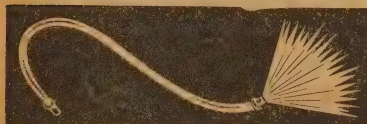


5⁹⁵

- Safe and Easy-to-Use, as well as Educational
- Glass Fibers may be Cut or Bent Just Like
- Includes New "Fiber Optic Experiments" B

Discover the amazing properties of fiber optics. Light travels from one end to the other by means of multiple reflection through these thin glass fibers. These optically perfect glass fibers may be cut or bent just like wire. You can design and make light guides, pipes and practically limitless optical displays that create light effects that dazzle the imagination. Special "Re-Do" process allows you to use fibers over and over again for other fiber optic projects. You can make the exclusive Variable Color Control that allows you to change instantly or create a strobe effect. Kit includes: 1400-16" glass fibers, sheathing, heat-shrink tubing, optical adapter, glass sensor adhesive, rings, optical stems, end fittings, clear rigid tubing, plus "Fiber Optic Experiments" booklet.

272 B 301. Shpg. wt. 1 lb.



HOBBYIST FIBER OPTICS KIT

1⁹⁸

- 200 Glass Fibers
- Optical Adapter
- Instruction Booklet

Hobbyist kit provides an excellent introduction to the fiber optics field. Consists of 200 optically perfect 24" long glass fibers with vinyl jackets, 6 lengths of 10 mil plastic fibers, an optical adapter and a booklet describing theories and applications of fiber optics. Ideal for beginners or experimenters learning the basics about fiber optics. Shpg. wt. 1/2 lb.

272 B 303. 1.98



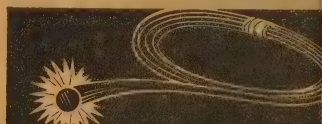
14" MAGIC FIBER WAND

- Multi-Color Magic Wand
- Cordless Light Source
- Variable Color Control

Unique multi-color magic fiber wand serves as an introduction to hundreds of optical displays. Features up to 1000 micro-lighted colored tips. Includes the exclusive variable color control. Can be used as a cordless light source for fiber optic experiments. It winks and blinks in color and produces psychedelic strobe effects. With light source. Less batteries. Shpg. wt. 1 lb.

272 B 304. 3.98

3⁹⁸



CROFON® PLASTIC LIGHT WAND

2⁹⁸

- More Optical Light Than Glass Fiber
- Continuous Length

Make lines and ribbons of light, routs, micro light pipes, optical plays, panel lights and more. Plastic light wire carries eleven times more optical light than glass. Includes continuous 100-foot length of 10 mil plastic light wire, 3 optical stems, an assortment of heat shrinks plus informative instruction booklet. Shpg. wt. 1/2 lb.

272 B 305

Protect Your Home and Property with "Electronic Insurance"

REALISTIC POWERHORN® SECURITY SYSTEM STOPS THIEVES

29⁹⁵

- Electronically Guards Against Intruders and Forced Entry
- Can be Installed Easily by Anyone—No Special Tools Needed
- Key-Controlled and Tamper Proof • Fail-Safe Battery Operation

Now you can't afford to be without Realistic's Powerhorn electronic security system. Provides effective protection against intruders of any type of forced entry. Suitable for your home, office, shop or factory—anywhere your property needs protection. Compact, designed, unobtrusive security system offers all the features and protection of a burglar alarm.

Activated, Powerhorn sounds the alarm with extra-loud blasting noise that scares would-be thieves or intruder and alerts the neighborhood. The alarm is activated by a door or window is opened, or when entry is attempted. A special delayed activation enables you to set the alarm

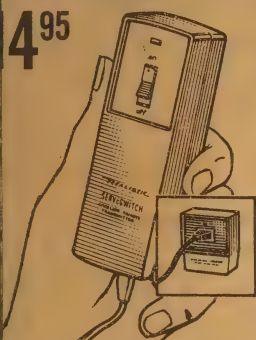
before you leave, and deactivate it when you return without setting it off. The system is key-controlled and tamper-proof. It can be quickly and easily installed by anyone without the use of special tools. Powerhorn mounts on walls with pressure sensitive tape. You can use up to 50 additional switches on doors or windows.

Supplied complete with 30 feet of wire, one magnetic contact switch, set of keys and complete instructions. Requires 3 "D" batteries. Size: 3 3/8 x 12 x 1 1/8".

275 B 490, Shpg. wt. 0 lbs. 29.95
23 B 466, "D" Batteries, Each 19¢
278 B 559, 100-ft. Extension Wire, 2.49
275 B 491, Magnetic Contact Switch, Each 2.99

REALISTIC SERVOSWITCH KEYLESS REMOTE CONTROL

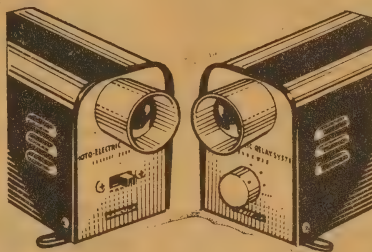
4⁹⁵



For convenience for your home, office, shop. Transmitter and receiver are plugged into wall outlets; the lamp, TV or any other device to be controlled is plugged into the receiver. Transmitter has on-off switch. For 50-100 AC, up to 300 watts. Receiver, 3 1/4 x 1 1/2". Transmitter, 5 1/4 x 1 3/4 x 1 1/2". Shpg. wt. 2 lbs.

B 696, 14.95

ARCHER PHOTO-ELECTRIC RELAY WARNING SYSTEM



19⁹⁵

- Effective Range up to 50 Feet
- Metal Housings

Photo-electric relay system may be used with alarms, counters. Has exciter lamp and photo-cell receiver with sensitivity control. Each, 5 1/2 x 4 x 2 1/8".

275 B 489, Shpg. wt. 6 lbs. 19.95

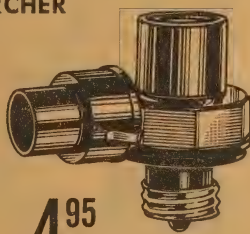


CONTROLS AND WARNING ACCESSORIES FOR SAFETY AND SECURITY

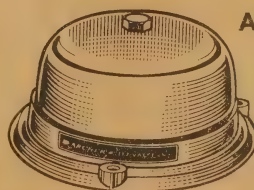


ARCHER

4⁹⁵



4⁹⁵



ARCHER

2⁹⁸

- Overcomes Background Noise
- AC Operated



1⁹⁸

INDOOR LIGHT CONTROL

Discourage burglars or simply plug in the unit. Want controlled, and control into AC. Electric eye turns light off in the morning. Shpg. wt. 1 1/2 lbs.

B 690, 4.95

OUTDOOR LIGHT CONTROL

Photo-electric light control lights up driveways, patios, gardens. Automatically turns lights on at dusk, off at dawn. Takes regular or floodlight bulbs—screws into light socket. Shpg. wt. 1/2 lb.

272 B 007, 4.95

ELECTRIC ALARM BELL

Durably constructed alarm bell emits a loud, clear ring that overcomes high level background noise. Ideally suited for photo-electric alarm systems. Chrome-plated bell, metal base. 4x2". AC. Shpg. wt. 1 lb.

273 B 020, 2.98

ELECTRIC ALARM BUZZER

Use with virtually any alarm system to produce a clear, distinct warning. Sturdy plastic housing with screw terminal connections. Size: 2 1/4 x 1 1/2 x 1". Operates on regular AC. Shpg. wt. 1/4 lb.

273 B 048, 1.98

MICROPHONE CABLE



Low loss, shielded cable for general-purpose extension use. Also as patch cords, interconnections.

Stock No.	Description	Ft.	Lbs.	EACH
278 B 1277	Single Conductor with Shield	20	1½	1.19
278 B 1276	2-Conductor with Shield	20	1½	1.29
278 B 1580	1 Shield, 2 un-shielded	16	1	1.19
278 B 1287	Lapel Mike	20	1½	1.19
278 B 856	Audio Cable with wrap shield	25	1	1.19

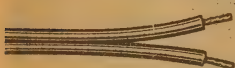
SHIELDED WIRE



For your hi-fi installation. Single conductor plus shield.

278 B 1288	Shielded Grid or Phono	30	½	1.29
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ZIP CORD SPECIALS



Great for the builder for use as extension cords, speaker wire, antennas, and general hookup use. #18 gauge, top quality!

278 B 864	2-Conductor plastic	30	1	1.19
278 B 1264	2-Conductor plastic	100	3	3.49
278 B 1301	Miniature #24 plastic	60	2	1.39

SPEAKER WIRE



Increase the distance between speakers to get more true stereo sound. Run extra speakers and enjoy music throughout your home.

278 B 1602	2-Conductor, Heavy-duty Polarized	30	¼	1.29
278 B 1387	2-Conductor #20 Plastic	100	¾	2.89
278 B 1388	2-Conductor Polarized, Clear	75	½	2.59

INTERCOM WIRE



Quality non-shielded wire for use with wire intercom systems with or without protective jacket. Top grade wire to give you performance at low cost.

278 B 370	3-Conductor/jacket	100	2	3.49
278 B 854	3-Conductor no jacket	40	¾	1.19
278 B 557	2-Conductor no jacket	100	¼	1.59
278 B 855	3-Conductor with jacket	30	¾	1.19
278 B 556	3-Conductor no jacket	100	1¼	2.49
278 B 555	4-Conductor with jacket	20	¼	1.19
278 B 559	2-Conductor with jacket	100	2	2.49

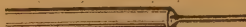
¼-LB. MAGNET WIRE



Solvat insulated high-grade copper wire for dependable use as coil winding wire, wire for transformer windings, also radio frequency and choke use. Easily solderable!

Stock No.	Wire Gauge	Ft.	Wt., Lbs.	EACH
278 B 003	22	93	¼	1.29
278 B 004	24	150	¼	1.29
278 B 005	26	240	¼	1.29
278 B 006	28	378	¼	1.29
278 B 007	30	600	¼	1.29
278 B 011	32	953	¼	1.29

BELL WIRE



Order plenty and save at the low prices.

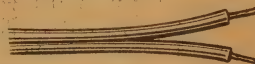
Stock No.	Description	Ft.	Lbs.	EACH
278 B 1297	#18 gauge Bell wire	65	1	1.19
278 B 558	#24 Three color	120	1¼	1.19

ANTENNA WIRE

Ideal for Hams, and SWL's. Perfect for long wire antenna a must for any grounding installation. Comes in 100-ft. Shpg. wt. 1 lb.

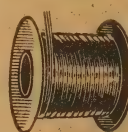
278 B 1331.	Copperweld #14	100 Ft.
278 B 1332.	7X24 Bare Copper	100 Ft.

75-FT. CLEAR-VIEW SPEAKER WIRE



18 gauge—polarized. Extremely low loss, ideal for use with solid-state amplifiers. Also in place of lamp cord. Extra heavy. 278 B 008. Shpg. wt. 2 lbs.

75-FT. MINI-SPEAKER CABLE



Lets you place speaker away from all for more true-to-life stereo sound. C of 2 conductor #24 wire. Plastic trans insulation. Can also be used to run speakers for music enjoyment through your own home.

278 B 1509. Shpg. wt. 1¼ lbs.

50-FT. HEAVY-DUTY MICROPHONE CABLE



Heavy-duty flexible microphone. Foam dielectric, rayon braid with copper shield. Tough vinyl jacket. Excellent high-impedance extension.

278 B 751. Shpg. wt. 2½ lbs.

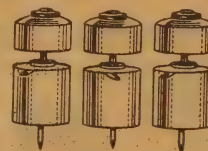
ANTENNA INSULATORS



Egg-shaped compress-type porcelain. High strength. Ideal for antenna or guy wire insulator. Unique construction permits minimum transfer of through the length of the insulator. Egg white Package of 2 for an outstanding buy. Buy a few packs so you will have enough.

270 B 1518. Shpg. wt. ¼ lb.

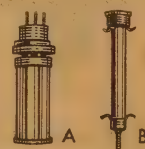
NAIL-IT-KNOBS



Grooved porcelain insulator for antenna coax cable pin phone wire lead-ins, 300 or 600 open wire transmission line uses. Comes with 4" nail for holding power. 2 in a package 1¼x2¼".

270 B 1519. Shpg. wt. ½ lb.

COIL FORMS



A Ideal for winding your own winding oscillator coils, antenna coils, RF chokes, and RF formers and multitap coils. Complete matching socket and mounting bracket. Grooved form makes for easier coil. Great for novice and experienced alike. Open air type core for RF use in the Ham builder. Size, ¾x1½".

270 B 005 Shpg. wt. ¼ lb.

B Top-quality loop stick type tunable coil form. Designed for winding oscillator coils, antenna coils, RF chokes, and RF formers. Complete with form, 4-pin connecting collar, metal mounting bracket, and tunable ferrite core. Also has a clip for direct chassis mounting. Great for big and small projects. Ideal for the experimenter to have around. Size, ¾x1½".

270 B 006. Shpg. wt. 2 oz.

for Microphones, Speakers, Intercoms and Projects

RAINBOW WIRE PACK

For intercoms, model trains, toys, parallel cable, each conductor a color for easy identification. Poly-chloride (PVC) insulation to further impervious changes to provide an resistance. Gauge number 22 for flexibility. Convenient 3 or 4 conductor lengths to suit your every need. Of each to take advantage of these savings. Perfect for applications in the work shop as well as home. Shpg. wt. 1 lb.

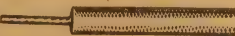
55. 2-Conductor, 38 Feet. 1.49
56. 3-Conductor, 29 Feet. 1.49
57. 4-Conductor, 25 Feet. 1.49



TEST PROBE WIRE

Insulation, perfect for re-soldering or extension use. Comes in lengths.

53. Red. Shpg. wt. 1/4 lb. 99¢
54. Black. Shpg. wt. 1/4 lb. 99¢



HOOK-UP WIRE PACKS

For hobbyists and builders. Pre-tinned copper conductors. Various sizes, and type to fit any need around the workbench. Order below.



SINGLE COLOR

No.	Description	Gauge	Ft.	EACH
1291	Solid	#18	60	.99
1292	Stranded	#18	55	.99
1294	Solid	#20	80	.99
1293	Stranded	#20	75	.99
1295	Solid	#22	100	.99
1296	Stranded	#22	90	.99

3 ASSORTED COLORS

1302	Solid	#18	60	.99
1303	Stranded	#18	60	.99
1305	Solid	#20	75	.99
1304	Stranded	#20	60	.99
1306	Solid	#22	90	.99
1307	Stranded	#22	75	.99

500-FT. HOOK-UP WIRE PACK

Another bargain! 500 ft. coils in 3 colors. Sizes #22, suitable for wiring jobs. Both solid and stranded types. A must for hobbyist and exper. At this price you can afford to buy a package? Why not? Buy it on the workbench while you can get it at these low prices.

484. Shpg. wt. 2 lbs. 3.49



6-FT. LINE CORDS

High grade #18 wire complete with standard plug. Buy a dozen or so for always useful cords for the workbench. Made for 120 VAC.

255. Shpg. wt. 1/4 lb. 39¢



FOUR 30-IN. TEST LEAD CABLES

Hobbyist and technician needs test lead insulated clips at both ends for safer use. Durable, flexible cables in red, black, and yellow. Great for temporary use of any kind. Color coding prevents polarity or mixup of common leads. Get your workbench without this tool.

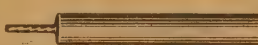
101. Shpg. wt. 1/2 lb. 1.29



75-FT. TEFLON WIRE

Coated to protect your wiring the same as the teflon on electrical pans. High temperature wire. Meets Military Specification. The best for outdoor installations.

52. Shpg. wt. 1/2 lb. 1.98



POLYFOAM COAX CABLE

Extra low loss, compared to standard dielectric. Ideal for amateur or CB use. Gives greater signal strength. Order in multiples of 25 feet. Order now!

278 B 1325. RG8/U, 52 ohm. Per Foot 15¢
278 B 1326. RG58/U, 53.5 ohm. (Not Polyfoam). Per Foot 6¢
278 B 1327. RG59/U, 72 ohm. Per Foot 7¢



COAX CABLE CONNECTORS

Standard UHF type connections for Ham and CB use. Has push screw-on-type lock. Shpg. wt. 1/4 lb.

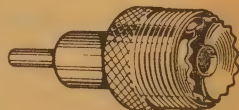
278 B 205. PL-259. 2 for 1.29
278 B 201. SO-239. Each 59¢
278 B 1369. PL-259. Each 89¢
278 B 206. UG-175/U, reducer for RG58/U. 2/39¢



COAX CONNECTOR ADAPTER

Specially designed to adapt the UHF type coaxial connector to the Motorola type standard pin plug. Common in-series adapter that should be a must for the Ham or CB'er. Also find use with police monitors as adapters.

278 B 208. Shpg. wt. 1/4 lb. 1.29



TELEVISION COAX CONNECTORS

Type CF59A for connecting 72-ohm standard TV lead-in, RG59/U, coax cable to TV matching transformers and CATV type television systems. Constant impedance type to prevent loss of signal that a simple splice would give.

278 B 207. Shpg. wt. 4 oz. 2 for 69¢



JUMPER LEAD CLIPS

Set of ten 14" jumper leads with miniature alligator clips on each end. Leads are color-coded for your convenience and safety in their use. Use them for testing or experimentation. Especially good for work with many individual boards needing interconnections. Hobbyists and experimenters should not pass up this remarkable saving on an item extremely valuable to their workbench. Don't settle for just one set. Make sure you have plenty around the shack. Get yours today! Shpg. wt. 6 oz.

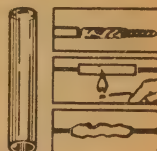
278 B 1156. 1.19



HEAT SHRINKABLE TUBING

Contains 16 pieces. Just slip tubing over wire splice and heat with match or soldering iron or gun. Tubing shrinks 50% at +275 degrees F. Insulation of the tubing provides a maximum of 30,000 volts isolation. Make the inside of your project or construction not only look much nicer but make it much safer as well. Can also be used to provide a common jacket to multiple wires to give them a neat, nice look and also keep them from becoming a mess. Buy several at this low price! Shpg. wt. 1/4 lb.

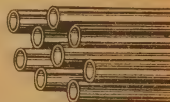
278 B 1166. 99¢

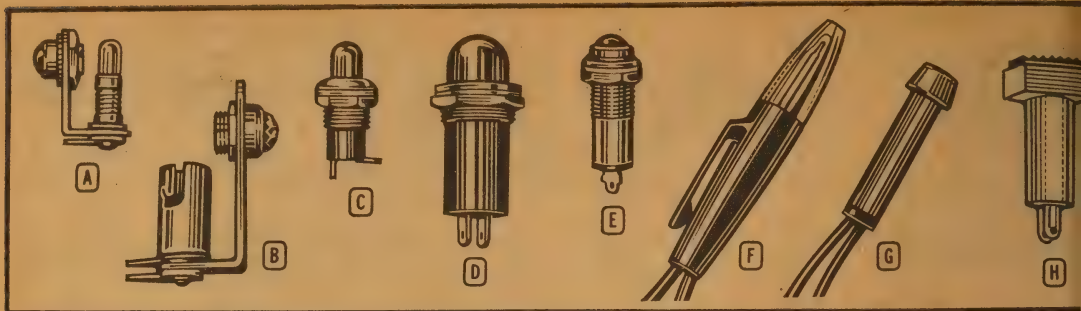


ALL-PURPOSE INSULATION TUBING

Assortment of 32 strands of insulation tubing. Variety of sizes and colors. Average length 5". A must for the builder and experimenter for convenience as well as safety. Gives your projects that professional touch. Reduce the chance of shock by employing these handy tubes. Maximum insulation protection, 40,000 volts. Don't pass up this bargain. Add this item to your workbench now. Good quality webbing provides maximum insulation as well as strength. Get them for your workbench now!

278 B 1188. Shpg. wt. 1/2 lb. 59¢





LAMP ASSEMBLIES

- A** Miniature. Set of 3 includes 2 red, 1 green jewel with miniature 6V screw bulbs. Mounts in $\frac{3}{16}$ " hole.
272 B 344. Wt. $\frac{1}{4}$ lb. 99¢
- B** Bayonet. Set of 4 includes 2 red, 1 green, 1 amber jewel pilot light assemblies. Standard bayonet socket. Less bulbs.
272 B 318. Wt. $\frac{1}{4}$ lb. 1.19
- C** 1" Panel Indicators. Set of 2 includes 1 red and 1 green jewel. Screw in 6V bulbs, solder lug terminals. $\frac{3}{8}$ " hole.
272 B 1535. Wt. $\frac{1}{4}$ lb. 79¢
- D** Panel Mount Lamp Assemblies. Set of 2 includes 1 red, 1 green domed lens. Bulb can be replaced from front of panel. Takes miniature bayonet base bulb. Less bulbs. $\frac{3}{4}$ " mount hole.
272 B 320. Wt. $\frac{1}{4}$ lb. 1.39

NEON LAMPS AND CIRCUIT TESTER

- E** Pilot Light. Set of 2. 1 red, 1 yellow. Operates on 115 V. 100 ohm dropping resistors. With neon lamp. $\frac{3}{4} \times 1\frac{1}{2}$ ".
272 B 328. Wt. $\frac{1}{4}$ lb.
- F** AC/DC Circuit Tester. Glow indicates "live" outlets, de-energized, blown fuses dirty spark plugs. 90-500 V range.
272 B 201. Wt. $\frac{1}{4}$ lb.
- G** 115V AC Lamp. Use for power, modulation indicator, etc. Requires $\frac{3}{16}$ " mounting hole. With leads. $1\frac{1}{2} \times \frac{3}{2}$ ".
272 B 1501. Wt. $\frac{1}{4}$ lb.
- H** Rectangular Lamp Assembly. Set of 3. Includes 2 red, 1 green jewel assemblies. Built-in lamps. With 3 dropping resistors. For 117V AC use. Easy-to-build.
272 B 338. Wt. $\frac{1}{4}$ lb.

NEON AND INCANDESCENT LAMPS



Wide variety of miniature incandescent and neon lamps to fill most electronic and general purpose needs. Ideal for use on panels, appliances, automobiles, flashlights, indicators, toys and novelties. Offer extra-long life, reliability, low cost, high light output for amount of current consumed and low operating cost.

NEON GLOW PANEL LAMPS

*High brightness.

Stock No.	Type	Watts	Series Res.	EACH
272 B 1101	NE-2	1/25	200K	2/39
272 B 1102	NE-2H*	$\frac{1}{4}$	22K	2/45
272 B 1103	NE-51	1/25	200K	2/55
272 B 1104	NE-51H*	$\frac{1}{4}$	22K	2/59

MINIATURE BAYONET INCANDESCENT PANEL LAMPS

†"Hi-Intensity"—double bayonet contact.

Stock No.	Type	Volts	mA	EACH
272 B 1108	44	6.3	150	2/39
272 B 1109	45	3.2	350	2/39
272 B 1110	47	6.3	150	2/39
272 B 1111	49	2.0	60	2/39
272 B 1112	1891	14.0	230	2/39
272 B 1113	51	7.5	220	2/39
272 B 1114	55	7.0	410	2/39
272 B 1115	1847	6.3	150	2/45
272 B 1116	93†	12.0	15CP	.39

FLASHLIGHT LAMPS

‡Pre-focus penlite type—screw base.

Stock No.	Type	Volts	mA	EACH
272 B 1120	PR-2	2.38	500	2/49
272 B 1121	PR-3	3.57	500	2/49
272 B 1122	PR-4	2.33	270	2/49
272 B 1123	PR-12	5.95	500	2/49
272 B 1124	222†	2.25	250	2/39

MINIATURE SCREW INCANDESCENT PANEL LAMPS

Stock No.	Type	Volts	mA	EACH
272 B 1128	40	6.3	150	2/39
272 B 1129	41	2.5	500	2/49
272 B 1130	46	6.3	250	2/39
272 B 1131	48	2.0	60	2/49
272 B 1132	14	2.47	300	2/39
272 B 1133	50	7.5	220	2/39

FUSES AND FUSE HOLDERS



- J** Fuse Holders. Six chassis-mount holders for $1\frac{1}{4} \times 1\frac{1}{4}$ fuses. Snap covers. Three accept two fuses and accept one fuse.
270 B 337. Wt. $\frac{1}{4}$ lb.



- K** Automotive Fuses. Assortment of most common types. Includes 7 $\frac{1}{2}$, 9, 14, 20, AGA 3 and SGC 1 quality, reliable fuses.
270 B 1263. Wt. 3 oz.



- L** Clip-in Fuse Holders. Set of 10 hold $1\frac{1}{4} \times 1\frac{1}{4}$ fuses. Lug terminal connection. Bakelite construction.
270 B 739. Single. Wt. 2 oz.
270 B 740. Double. Wt. 2 oz.



- M** Panel Mount Fuse Holder. Requires mounting hole. For $1\frac{1}{4} \times 1\frac{1}{4}$ fuses. Solder lug terminals. $1\frac{1}{2}$ " long.
270 B 364. Wt. $\frac{1}{4}$ lb.



- N** Fused Plug. Fits standard outlets. Two $1\frac{1}{4} \times \frac{1}{4}$ fuses. U.L. Listed. These useful devices to avoid dangerous household appliances.
270 B 1249. Wt. $\frac{1}{4}$ lb.

P SFE AUTO FUSES

Stock No.	Amps.	EACH
270 B 1264	4	
270 B 1265	7 $\frac{1}{2}$	
270 B 1266	9	
270 B 1267	14	
270 B 1268	20	
270 B 1269	30	

R FAST-ACTING GLASS FUSES

Stock No.	Amps.	EACH
270 B 1270	$\frac{1}{4}$	
270 B 1271	$\frac{1}{2}$	
270 B 1272	$\frac{3}{4}$	
270 B 1273	1	
270 B 1274	1 $\frac{1}{2}$	
270 B 1275	2	
270 B 1276	3	
270 B 1277	4	
270 B 1278	5	
270 B 1279	10	
270 B 1280	15	



Etched Knobs. Set of three. Knurled grip with numerals etched on chrome plate. Silver inlay, set screws. For $\frac{1}{4}$ " shafts. 300° dial.

274 B 401. Wt. $\frac{1}{4}$ lb. 99¢

Single Line Index Knobs. Set of 3 Knobs with Single Line Index. $\frac{1}{4}$ lb. 99¢

Instrumentation Knobs. Handsome, rugged knobs for communications and test equipment.

274 B 380. Wt. $\frac{1}{4}$ lb. 99¢

Metal Knobs. Set of 3 matched $\frac{3}{4}$ " brushed aluminum knobs. Fits standard $\frac{1}{4}$ " shafts.

274 B 350. Wt. $\frac{1}{4}$ lb. 1.19

Radio Knobs. 25 knobs in assorted colors. Black, red, brown and clear plastic.

274 B 349. Wt. $\frac{1}{2}$ lb. 79¢

Knurled Knobs. Comes in set of four. With brass insert and set screw. Fit on standard $\frac{1}{4}$ " shafts. These attractive knobs will look good on any type of equipment. $\frac{3}{8} \times \frac{3}{8}$ ". 274 B 401. Wt. $\frac{1}{4}$ lbs. 69¢

Knurled Knobs. Set of 6 black, silver-inlaid knobs. Brass insert, set screw. Fit $\frac{1}{4}$ " shaft. For radios, test equipment, experimental chassis of all kinds. 274 B 380. Wt. $\frac{1}{4}$ lb. 99¢

Metal Knobs. Set of 3 matched $\frac{3}{4}$ " brushed aluminum knobs. Fits standard $\frac{1}{4}$ " shafts. 274 B 350. Wt. $\frac{1}{4}$ lb. 1.19

Pointer Knobs. Set of 2 metal 1" knobs. Wt. 1 lb. 99¢

Pointer Knobs. Set of 5. $1\frac{1}{2}$ " long black bakelite knobs with brass inserts and set screws for the standard $\frac{1}{4}$ " shaft. An economical set that has countless applications. 274 B 349. Wt. $\frac{1}{2}$ lb. 79¢

BARGAINS ON VERNIER DIALS AND BUILDERS CASES

J 5" VERNIER DIAL

For test calibration instruments. Plastic see-thru window with grip knob. 0-180 logging scale. 6:1 drive ratio. 5 blank half line pointer, $\frac{1}{4}$ " dia. rear dial shaft. 274 B 379. Wt. 1 lb. 3.99

K VERNIER DIAL

Counting with black numerals on silver finish dials. Calibrated planetary drive with 8:1 ratio. $\frac{1}{4}$ " shaft. 274 B 379. Wt. $\frac{1}{2}$ lb. 99¢

274 B 379. Wt. $\frac{3}{4}$ lb. 1.59

L "MINI" UTILITY CASES

Utility bakelite case with removable aluminum cover. Perfect for all kinds of projects.

Stock No.	Size	EACH
274 B 230	$3\frac{1}{4} \times 2\frac{1}{8} \times 1\frac{1}{8}$ "	.79
274 B 231	$4 \times 2\frac{1}{4} \times 2\frac{1}{4}$ "	.89
274 B 627	$3\frac{3}{4} \times 6\frac{1}{4} \times 2\frac{1}{4}$ "	1.19
274 B 232	$7\frac{3}{4} \times 4\frac{3}{8} \times 2\frac{3}{8}$ "	1.59

M ALUMINUM "MINI" BOXES

Yet lightweight boxes for builders and hobbyists. Ideal for any kind of electronic project. Screw holes are for easy assembly.

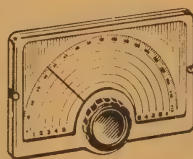
Stock No.	Size	EACH
274 B 245	$2\frac{3}{4} \times 2\frac{1}{8} \times 1\frac{3}{8}$ "	.99
274 B 236	$4 \times 2\frac{1}{4} \times 2\frac{1}{4}$ "	1.19
274 B 237	$5 \times 2\frac{1}{4} \times 2\frac{1}{4}$ "	1.29
274 B 238	$5\frac{1}{4} \times 3 \times 2\frac{1}{8}$ "	1.39

N REMOTE POWER SWITCHBOX

Provides a Central Location for Controlling up to 3 Appliances. Perfect for Use in Basement Workshop, Kitchen or Living Room.

Any accessory will save you steps in the workshop, basement, any room of the house. The enclosed metal box has outlets, and neon indicators for three separate circuits. You can turn on lights, radio, other appliances without leaving your chair. Three-prong outlets. Simply plug the switch box into AC outlet and plug the appliances you want to control into switch box. Contacts rated 5 A at 125 V. 6' cord. 274 B 245. Wt. 1 lb. 3.19

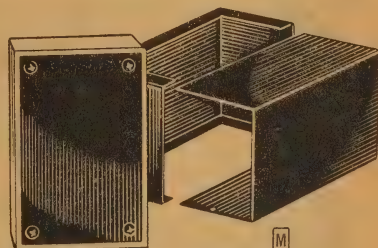
- Half-line pointer
- 0-180 logging scale



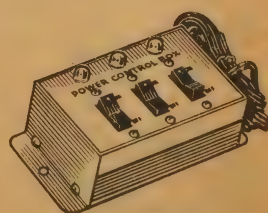
- Positive logging
- Calibrated 0-100



- A variety of sizes
- For builders' projects



- Three switched outlets
- Neon indicator lights
- Perfect for workshop



Transistors, Integrated Circuits for Low-Cost Experimentation

ARCHER REPLACEMENT, EXPERIMENTATION TRANSISTORS

PNP TYPES

MIXER OSCILLATOR CONVERTER

Converter produces intermediate frequency from incoming radio frequency on AM receiver prior to amplification. Replaces: 2N414/417; 2N499/504; 2N534/35; 2N544; 2N588A; 2N624; 2N680. Shpg. wt. 3 oz.
276 B 101.....89¢

GENERAL-PURPOSE AF AMPLIFIER

Audio frequency amplifier general purpose transistor. Use in radios, preamps, low level audio output. Replaces: 2N36/38A, 2N104/107, 2N186/190, 2N196/200, 2N262, and 2N271. Shpg. wt. 3 oz.
276 B 102.....89¢

GENERAL-PURPOSE AF AMPLIFIER

Audio frequency amplifier general purpose transistor. For use in radios, preamps, low level output circuit banks. Replaces: 2N39/43; 2N49/51; 2N59/62; 2N191/192; 2N217/220; 2N223/227. Shpg. wt. 3 oz.
276 B 103.....89¢

POWER AUDIO AMPLIFIER

Amplifier transistor replaces auto radio transistors with TO-3 case. Can be employed in modification, experimentation applications. Replaces types: 2N155/157; 2N255/257; 2N350/353; 2N392; 2N399/401. Shpg. wt. 3 oz.
276 B 105.....1.69

PNP GENERAL PURPOSE

PNP general audio. Produces low level audio output for preamps, radios. Mixer oscillator, RF and IF (AM), IF (FM). Replaces transistor types: 2N858/865; 2N923/928; 2N935/946; 2N978, 2N981; 2N995/996. Shpg. wt. 3 oz.
276 B 110.....89¢

NPN TYPES

AUDIO FREQUENCY AMPLIFIER

AF amplifier general purpose transistor signed for use in car radios, preamps complementary low level output. May be adapted to experimentation. Replaces types: 2N97/100; 2N124/127; 2N145/150; 2N169; 2N183/184. Shpg. wt. 3 oz.
276 B 104.....

GENERAL-PURPOSE AUDIO

General purpose audio transistor also serves mixer/oscillator function for RF and intermediate AM radio frequencies. Replaces transistor types: 2N470/480; 2N546, 2N701/709; and 2N742/743. Transistor er/oscillator functions may be electronically adapted for a large number of experimental projects. Shpg. wt. 3 oz.
276 B 107.....

HIGH-GAIN AUDIO

High gain general purpose audio or swing transistor. Provides mixer/oscillator function to AM radio frequency producing intermediate frequency. Also serves as RF amplifier transistor types: 2N2931/2935; 3395/3398; 2N3402/3405; and 2N3985. Shpg. wt. 3 oz.
276 B 108.....

HIGH FREQUENCY MULTI-FUNCTION

High frequency mixer/oscillator. RF IF for FM, VHF runner, UHF oscillator tuner. Replaces transistor types: 2N3014; 2N3287/3294; 2N3662/3663, 2N3985. Unusually well suited to a number of experiments and projects. Shpg. wt. 3 oz.
276 B 109.....

TRANSISTOR SUB GUIDE

49¢

• Over 8000 Transistor Substitutions

A quick cross reference and replacement guide for all general types of transistors used in common consumer products. Comprehensive listing for Archer replacement transistors.

62 B 1015. Shpg. wt. 6 oz.....49¢

100-PC. TRANSISTOR PACK

398

• Famous U.S. Makers in Wide Assortment
• PNP and NPN Types • Many Case Styles
• High Frequency, High Power Types

100 pieces in widest assortment may include high frequency and high power types. Case styles include TO-92, TO-18, and TO-5 in plastic and metal housings (Untested)

276 B 544. Shpg. wt. 1 lb.....

TRANSISTOR "TWIN-PACK" BARGAINS

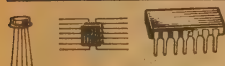
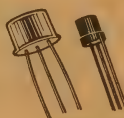
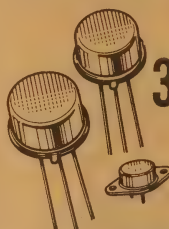
24-PIECE EPOXY "QUAD"

Includes 6 each NPN and PNP high frequency, low noise transistors and 6 each NPN and PNP medium power general purpose audio transistors.
276 B 530. Shpg. wt. ½ lb.....1.98

198
Each

40-PIECE "TWIN-PACK"

Assortment of plastic-housed transistors may include FET's, TO-18, TO-18, and other cases. Types: 2N722, 2N107, 2N170 plus more.
276 B 1516. Shpg. wt. 2 lbs.....



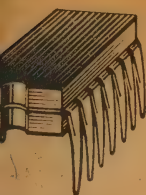
Selection of
Dual In-Lines,
Flat-Packs, TO-5 Cases
Includes RTL's,
DTL's, TTL's etc.

298

LOW-COST 14-PC. IC PACK

Random selection from a wide variety of integrated circuits provides you a unique opportunity for experimentation in micro-circuitry at a low expense. 12 IC's—RTL's, DTL's, TTL's and a variety of gates, buffers, flip/flops or amplifiers plus 2 circuit holders for flat pack case types.
276 B 602. Shpg. wt. 1 lb.....

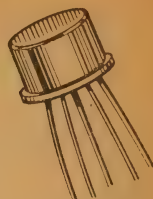
Experimenter's Choice of IC's, Transistors, Infra-red Projects



UAL IN-LINE
TTL TYPES

FAMOUS MAKER'S INTEGRATED CIRCUITS

Integrated circuits can provide many hours of fascinating exploration in this new realm of micro-circuitry to any experimenter or hobbyist. Experimentation furnishes satisfying new knowledge in both theory and application along with an understanding of the complexities of integrated circuit construction and the simple design principles on which it is based. Our selection of famous U.S. manufacturer's IC's provides a low-cost opportunity for such experimentation without fear of mis-function due to parts failure. All integrated circuits listed below are guaranteed 100% perfect electronically and mechanically and come complete with diagrams and specifications. Get yours today!



TO-5 CASE
RTL TYPES

Master/Slave Flip-Flop. Provide control pulse or is control pulse originating externally. 7501/8501 series for high control and counting. 14 pin package. Vcc 7 volts maximum. Input. Fan out, 10.
19. Shpg. wt. 3 oz. 1.69

Two Input NAND Gate. Gives zero output voltage when all signals are negative. 7400/8000 series with high noise immunity. Input impedance, etc. 14 pin package. Vcc, 7 volts max. 5 volts input. Fan out, 10.
20. Shpg. wt. 2 oz. 1.19

Four Input Buffer. 7440/8040 series for equipment line and timer drivers, relays. Has noise immunity of 1 volt. 14 pin package. Vcc, 7 volts maximum, 5.5 volt input. Fan out, 30.
21. Shpg. wt. 2 oz. 1.19

Buffer. 7404/8004 series with input clamping diodes. For buffer applications. 14 pin package. 40 mv noise immunity. Vcc, 7 volts maximum, 5.5 volt input. Fan out, 10.
22. Shpg. wt. 2 oz. 1.19

Fairchild 900 Buffer. Reliable low impedance driver. Isolates oscillator stage for better stability. Prevents interaction between stages. Vcc, 3.6V. 8 leads. 12 nanosecond propagation delay. 15-55° temperature range. Ideal for digital circuits.
276 B 018. Shpg. wt. 3 oz. 1.49

Fairchild 914 Dual 2 Input Gate. Admits and passes signal only when a gating pulse is present. Has 4 silicon planar transistors and 6 resistors. TO-5 case. 8 leads. Vcc, 3V. Excellent for computer circuits where a pulse must be controlled electronically.
276 B 015. Shpg. wt. 4 oz. 1.29

Fairchild UL923 J-K Flip-Flop. Provides alternate conductance-non-conductance of two opposing stages. Use in digital control applications. 8 leads. 15 transistors, 17 resistors. TO-5 case.
276 B 023. Shpg. wt. 4 oz. 1.29

709C Operational Amplifier. Ideal for linear circuits, analog computers, relay drivers, etc. 15 transistors, 15 resistors. 250 mw power dissipation. 9-15V. 8 leads.
276 B 017. Shpg. wt. 3 oz. 1.69

1 WATT AUDIO AMPLIFIER HAS SPEAKER-DRIVING CAPABILITY

The amplifier Type TAA300 contains 11 transistors, 5 diodes that deliver 1 watt of audio power either directly into an 8 ohm speaker or to an amplifier for further power boost. Features high gain low power consumption for highly efficient operation. 1 watt rating is ideal for phono, radio, and TV amplifiers, speech amplifiers, low-power hi-fi systems.

Perfect for use anywhere low-power amplification must be provided with minimum occupation of space. Integrated circuit is mounted on TO-74 case with 10 leads. Operates from power provided by 9-volt battery (not included). Input impedance, 10,000 ohms. 30-15,000 Hz response.

276 B 016. Shpg. wt. 4 oz. 3.95



"N" CHANNEL FIELD EFFECT TRANSISTORS

Impedance Input

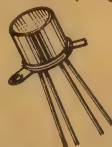
• Low Noise, High Gain

• Similar Characteristics to Pentode Vacuum Tube

ON DUAL INSULATED GATE

1. Features 2 channels in a series arrangement. High power gain of 35 dB at 1 kHz. Provides high isolation between channels. 10 kilohms. TO-72 case.

2. Shpg. wt. 3 oz. 1.98



1.98
Each

SILICON JUNCTION FET

Thousands of applications where pentode tubes are used in low-level circuits such as field strength meters, flea power transmitters, etc. 300-1200 ohms. TO-5 case. Specs. 276 B 664. Shpg. wt. 3 oz. 1.98



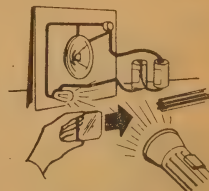
Showing Demonstration of Infra-Red's Unusual Qualities
Light-Transmitting Fibers That Bend, Control Light
Storage Experiments Display Infra-Red Properties

Basic comprehension of the laws of light energy. Infra-red sensor, parabolic reflector, transistor amplifier, template, 200 lengths of light-transmitting fibers plus an 8-page booklet on fiber optics.

3. Shpg. wt. 1/2 lb. 5.95
1.5 volt "D" cell (2 required) Each 19¢

5.95
Each

INFRA-RED AND FIBER OPTICS HOBBY KIT



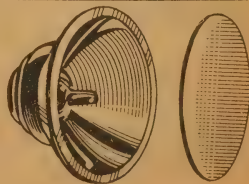
Equipment You Need to Start Infra-Red Experimentation
Perform Projects in Sensing, Communications, etc.

Basic components for infra-red detection, voice communications and remote control applications. Simplifies understanding of infra-red principles and the behavior of frequency light. Kit includes parabolic reflector with detector and pictorial diagram. Excellent light experiment in infra-red photography.

5. Shpg. wt. 1/2 lb. 3.98

3.98
Each

INFRA-RED LIGHT SOURCE AND DETECTOR



Rectifiers, Solar Cells, Diodes, and Battery Holders

SILICON RECTIFIERS

6 AMPS



- Low Low Prices
- High Quality for Long Life
- Use in Power Supplies

Stud mounted, rated at 50-400 peak inverse voltage. Great for almost any power supply needs. Av. shpg. wt. 2 oz.

Stock No.	PIV	EACH
276 B 1074	50	.29
276 B 1075	100	.39
276 B 1076	200	.59
276 B 1077	400	.69

12 AMPS

Here's a quality-engineered silicon rectifier that will get the job done with power handling capabilities to spare. Heavy-duty construction provides high current-handling capacity. 12 amperes maximum current for those heavy-duty applications. Color-coded for easy readability. Ideal for experimenters, hobbyists, etc. Designed for a wide variety of military, industrial and consumer applications. Great for use in linear amplifier supplies, general purpose power supplies, car ignitions. Av. shpg. wt. 2 oz.

Stock No.	PIV	EACH
276 B 1060	50	.49
276 B 1061	100	.69
276 B 1062	200	.89
276 B 1063	400	1.19

50 AMPS



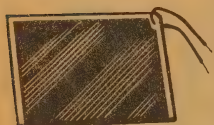
- High Grade Industrial
- Extremely High Current
- Great for Power Supply

These super-heavy-duty rectifiers are the ultimate in high power applications for industrial use. Av. wt. 2 oz.

Stock No.	PIV	EACH
276 B 1040	50	
276 B 1041	100	
276 B 1042	200	

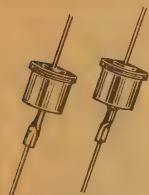
LIGHT-SENSITIVE CELLS, RECTIFIERS, BATTERY HOLDERS

SELENIUM SOLAR CELL



Power projects from the sun. Produces .5 volts at .6 milliamps under strong light. With leads. Instructions for light-powered radio, relay, oscillator. Learn by doing with this amazing device. Great for use as educational unit. Ideal for use in school projects. Size, 1 1/2 x 1 1/8". Shpg. wt. 4 oz.
276 B 115.....1.29

1-WATT ZENER DIODES



For applications such as voltage references, regulated power supplies, transistor bias switches, transient absorbers, etc. All have axial leads for easy hookup. Ideal for the experimenter or builder especially where solid state type control is desired. Normal operating voltages from 4 to 12 volts. All are rated at 1 watt of power dissipation. Comes in set of 2 in package. Av. shpg. wt. 2 oz.

Stock No.	Normal Voltage	Pkg. of 2
276 B 560	4	.99
276 B 561	6	.99
276 B 562	9	.99
276 B 563	12	.99

RECTIFIER TWIN PACKS



One-half watt rectifiers. 2 in a package. Normal operating voltage from 4 to 12 volts. Ideal for almost any low power, voltage application. Buy several packs today and save at these low, low prices. Av. shpg. wt. 2 oz.

Stock No.	Normal Voltage	Pkg. of 2
276 B 620	4	.69
276 B 621	6	.69
276 B 622	9	.69
276 B 623	12	.69

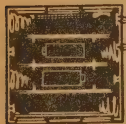
BATTERY HOLDER KIT



8 metal battery holders. Consists of 4 single "AA" cells, 1 double "AA" cell, 1 "C" cell, and 2 "D" cells. Solder lug terminal connections. Great for hobbyists and experimenters.

270 B 381, Shpg. wt. 1 lb.....99¢

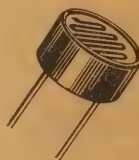
PLASTIC BATTERY HOLDERS



Great for replacement use in walkie-talkies. Also ideal in projects requiring neat placement of batteries. Gives projects that professional touch. Durable plastic for easy placement of batteries. Variety of sizes. Average shpg. wt. 1/4 lb.

Stock No.	Holds	EACH
270 B 382	2 "AA" Cells	.39
270 B 383	4 "AA" Cells	.45
270 B 384	6 "AA" Cells	.49
270 B 385	2 "C" Cells	.49
270 B 386	2 "D" Cells	.55
270 B 387	8 "AA" Cells	.59

CADMIUM SULFIDE PHOTO CELL



Sensitive in the yellow-green range light spectrum. Maximum resistance million ohms. Minimum resistance ohms. Maximum voltage: 170 volts, max wattage: .2 watts. Instructions for glar alarm, night light, etc. Ideal for instructional aid to demonstrate how photocell functions. Can be used large variety of applications to suit needs. Size, 1/2 x 1/4". Buy yours today! save!

276 B 116, Shpg. wt. 4 oz.....

50 SILICON DIODES



Ideal for binary logic, audio and RF circuits, low voltage regulators, RF test measuring equipment, etc. Heat silicon for longer life and better reliability. Trouble free service. No experimenter should be without this supply of often needed. Great for investigation of binary logic. Actual diode computers can be built with small semiconductors.

276 B 114, Shpg. wt. 1/2 lb.....50¢

GE 1N3717 TUNNEL DIODE



- Great for Ham or CB
- Ideal for updating
- Buy now at low prices
- Perfect for experim

Low cost switching oscillator, amplifier, and Peak mA: 4.7, Valley peak mA: .60, Vpp: 5. Finds applications in grid-dip oscillators, transmitters, signal generators.

276 B 503, Shpg. wt. 1/4 lb.....

9V BATTERY HOLDERS



Fits transistor radio and battery holders. 1/2" spacing between male and female. Durable plastic for long life. Increased resistance to battery acid at physical extremes. Great for breadboards requiring batteries to be mounted near with a minimum of movement. Buy this low price!

270 B 325, Shpg. wt. 1/4 lb.....

ALUMINUM BATTERY HOLDERS



Use these holders to improve appearance of your projects. High aluminum for reliable service even the worst conditions.

Stock No.	Description	Lbs.	EACH
270 B 1432	1 "AA" Cell	1/2	
270 B 1433	2 "AA" Cells	1/2	
270 B 1434	3 "AA" Cells	1/2	
270 B 1435	4 "AA" Cells	1/2	
270 B 1436	1 "C" Cell	1/2	
270 B 1437	2 "C" Cells	1/2	
270 B 1438	1 "D" Cell	1/2	
270 B 1439	2 "D" Cells	1/2	

Diodes, SCR's, Heat Sinks, Switch and Power Transistors



A MICRO-MINIATURE 1-AMP DIODES

diodes for your power supply needs. Av. shpg. wt. 2 oz.	
1101, 50 PIV.	3 for .39
1102, 200 PIV.	3 for .69
1103, 400 PIV.	3 for .99
1104, 600 PIV.	3 for 1.29

B 1-AMP BULLET TYPE DIODES

1135, 50 PIV. Shpg. wt. 2 oz.	2 for .29
1136, 100 PIV. Shpg. wt. 2 oz.	2 for .49
1137, 200 PIV. Shpg. wt. 2 oz.	2 for .69
1130, 400 PIV. Shpg. wt. 2 oz.	2 for .98
1139, 600 PIV. Shpg. wt. 2 oz.	2 for 1.29

C 3-AMP BULLET TYPE DIODES

buys for the experimenter! Make your move on these savings.	
1141, 50 PIV. Shpg. wt. 3 oz.	2 for .49
1142, 100 PIV. Shpg. wt. 3 oz.	2 for .69
1143, 200 PIV. Shpg. wt. 3 oz.	2 for .89
1144, 400 PIV. Shpg. wt. 3 oz.	2 for 1.19

G SILICON-CONTROLLED RECTIFIERS

100 volts. For low voltage relay switching, latching and timing circuits. Ideal for introduction to these devices. Learn now. Buy now at this low price!

1059, Shpg. wt. 2 oz.	.99¢
-----------------------	------

200 volts. Electrically isolated. High current, voltage control with high gate sensitivity. Ideal for temperature control. This three terminal, three junction thyristor is perfect for light dimmer or a speed control on series AC motors. Buy today and save.

1067, Shpg. wt. 2 oz.	2.49
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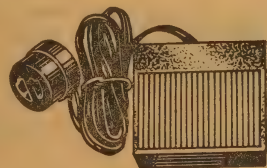
200 volts. High power for use in electroplating, 1/7 horsepower motor controls, etc. This three terminal, three junction thyristor can also be used for dimming lights, and as a speed uni-directional switch. A must for every experimenter. Unbeatable savings.

1068, Shpg. wt. 2 oz.	3.49
-----------------------	------

FOOT-ACTUATED SWITCH

1 power tools and appliances. Turns tools or appliances off! Rated at 10 amps AC with SPST momentary contact switch in rugged housing for long life even in the worst treatment. Square by 1" high, with proof base for no-slip on even under the toughest conditions. Shpg. wt. 1 lb.

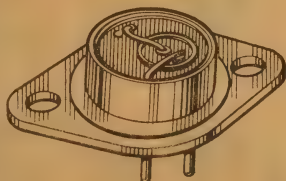
201.	3.49
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POWER TRANSISTOR

multiplier, photo-sensitive, power transistor amplifier relay... all in one! Includes specifications and diagrams. Great for do-it-yourself burglar alarms. Ideal for any light actuating needs. Replace worn out relays and have better operation free from problems, dirt on the contacts, etc. Great for use as a replacement aid in demonstrating the principles of photoelectric effect and simple transistor circuitry. Buy yours today at this low low, price and save! Shpg. wt. 1 lb.

847.	1.92
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D 1000-MA 1000-V DIODES

Ideal for ham and experimenter for power supply use. Made of high-grade silicon. Perfect for application in linear amplifier supplies or anything requiring high current and voltage draw. Set of three, Shpg. wt. 2 oz.

276 B 516.	3 for 1.49
------------	------------

E 1500-MA 2000-V DIODE

Ideal for high voltage, high current rectifier circuits. Extra long axial leads for easy hookup. Great for use in linear amplifier power supplies. Buy yours today at these fantastic savings. Shpg. wt. 4 oz.

276 B 1105.	1.59
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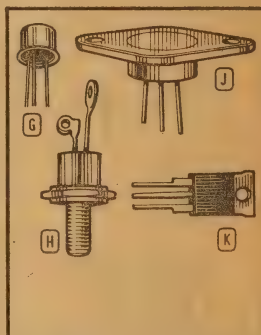
F SIXTY 1-AMP EPOXY RECTIFIERS

Pack contains 30 micro miniature and 30 bullet type. Use in transistor low voltage power supplies, micro circuitry. An experimenter's delight. Stock up on these low priced common rectifiers today and start building that transistor project. Wt. 1 1/4 lbs.

276 B 1114.	.60 for 1.98
-------------	--------------

QUADAC 6 amp. 200 volt. Use for switching and phase control. Electrically isolated for more reliable service and greater dependability. Made for heavy duty use to replace relays, work as a light dimmer, high speed motor control, or as a high speed uni-directional switch. Great as phase controls for experimenters who enjoy not only learning about this unusual SCR, but who enjoy experimenting with non-standard type military phase motors. Can even be used in a variety of computer circuits as DC latching relays and power flip-flops. Buy one of these amazing devices and find yourself in the world of semiconductors.

276 B 1069, Shpg. wt. 3 oz.	3.49
-----------------------------	------



HEAT SINKS FOR PROTECTION

Spring loaded 2 1/2" heat sink with magnetic base. Also 1 3/8" and 2 1/2" straight and bent jaws types.

276 B 001, Shpg. wt. 1/2 lb.	.5 for 1.29
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SINGLE FIN

Stock No.	Hole Dia.	Rad. Surf.	EACH
276 B 1356	.265"	22.28 sq. in.	.69
276 B 1358	2-162"	22.28 sq. in.	.69
276 B 1359	2-203"	27.85 sq. in.	.79
276 B 1360	Blank	33.42 sq. in.	.79

FLAG-TYPE HEAT SINKS. Assortment fits most metal or plastic transistors for TO-5, TO-18, TO-40, TO-92 case styles. Great for use with stereo or high power audio. Shpg. wt. 1 lb.

276 B 002.	10 for 79¢
------------	------------

10 GLASS SILICON DIODES

Popular choice for builders, hobbyists. Many uses. Less than 10 cents each in 10-pak. Ideal for binary computer logic work. Excellent instructional components at a low, low price.

276 B 821, Shpg. wt. 1/4 lb.	10 for 99¢
------------------------------	------------



Special Parts Bargains—Only 1⁹



1¹⁹

MICRO EPOXY RECTIFIERS

25-1 amps. Each rectifier measures only $\frac{1}{4} \times \frac{1}{16}$ ". Specially designed with silicon for hobbyists building projects where limiting space is a factor. Come in assorted voltages, complete with extra-long axial leads.

276 B 591, Shpg. wt. 1 lb. 1.19



1¹⁹

15 PLASTIC NPN TRANSISTORS

Buy now and save on value-p experimenters package. Includes types similar to 2N2711, 2N 2N2923. For radio frequencies, lators, intermediate frequencies, in TO-98 cases.

276 B 590, Shpg. wt. 1 lb.



1¹⁹

3 ON/OFF CONTROL RECTIFIERS

Now, for a limited time only, famous "Dynaquad" PNP 4-layer electronic switching device at a new low price. Small amount of negative voltage turns it on, small positive voltage charge turns it off.

276 B 553, 1.19

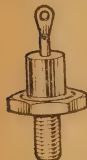


1¹⁹

4 TYPE 2N107 PNP TRANSISTORS

Enjoy big savings on one of the widely used transistors today in general audio applications. All sistsors complete with base wiring easiest installation. Shpg. wt. $\frac{1}{2}$

276 B 501,



1¹⁹

12 SILICON POWER RECTIFIERS

Get 'em while they last at this special price. 2-6 Transistron stud-mounted rectifiers, perfect for low-cost general applications in workshop, hobby and industry, many other uses. 50-400 peak inverse voltage.

276 B 508, Shpg. wt. $\frac{1}{2}$ lb. 1.19



1¹⁹

10 1-AMP CONTROLLED RECTIFIER

Save on a big 10 package of silicon controlled rectifiers. In assortment of voltage ratings to 100 PIV. Type TO-18 case, insulated for protection against damage.

276 B 579,



1¹⁹

5 "POP" PLASTIC NPN TRANSISTORS

Save on a big 5-pack of transistors. Replaces many silicon and germanium transistors. Includes 2N3398, 2N-2312, 2N2368, 2N3793, in TO-18, TO-5, TO-98 cases. High-gain, low-level, medium power switching.

276 B 595, Shpg. wt. 1 lb. 1.19



1¹⁹

25-PC. TRANSISTOR SURPRISE PA

One of the biggest values at. Includes both PNP and NPN and germanium type trans Assorted cases—TO-5, TO-18 TO-46. Perfect for experime Shpg. wt. 1 lb.

276 B 524,



1¹⁹

12 MICRO/MINI TRANSISTORS

Big assortment of 12 PNP and NPN transistors made to rigid production standards by world-famous manufacturers. Includes 2N4046, 2N3128, etc. Some low loss, high gain, high frequency, etc. 1 lb.

276 B 605, 1.19



1¹⁹

3 PNP-NPN AMPLIFIERS

Wide assortment of transistor 1 NPN 2N2060, 1 PNP 2N3 2N998, Premium quality Darl Amplifier, has extremely high (1000), 0.5 watt, BV_{CEO} 100. 1 for a wide audio uses.

276 B 597, Shpg. wt. 1 lb.



1¹⁹

25 250-mW SILICON ZENER DIODES

One of today's biggest values. Glass miniature diodes in assorted voltages. Long axial leads for fool-proof connections. Excellent in applications where transistor power supply regulation is required.

276 B 521, Shpg. wt. $\frac{1}{2}$ lb. 1.19



1¹⁹

4 PLANAR NPN TRANSISTORS

Unijunction types, perfect for silicon control rectifier drivers, speed controls timers. Simi 2N2646, 2N2840, 2N4852/3 leakage. 30V, @ 300 mW Peak ter current. TO-92 case.

276 B 111, Shpg. wt. 1 lb.

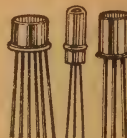


1¹⁹

DUAL INLINE "IC" PACKAGE

All-American-made 4-piece integrated circuit package. Includes gates, buffers, adders, registers, flip flops, etc. 14 and 16 pin units. Excellent for computer digital applications, experimenters etc.

276 B 531, Shpg. wt. 1 lb. 1.19



1¹⁹

15 POPULAR PNP, NPN TRANSIST

Hurry while this offer lasts! Y an outstanding assortment of today's most popular tra types: CK-722, 2N35, 2N107, and 2N335. Invaluable to menter and hobbyists.

276 B 510, Shpg. wt. $\frac{1}{2}$ lb.



1¹⁹

15-PIECE ZENER PACK

Never-before-offered package of 15 premium zener diodes, manufactured under strict quality control. Includes 0, 5, 1 and 3-watt epoxy and glass types. Conveniently long axial leads. Assorted voltages.

276 B 610, Shpg. wt. 1 lb. 1.19



1¹⁹

12 3-AMP EPOXY RECTIFIERS

Same size as standard silicon "bullet," but is capable of 1 2 Amps. Heavy duty leads. R "stud" types. Comes in assort ages. Convenient top and chassis mounting.

276 B 599, Shpg. wt. 1 lb.

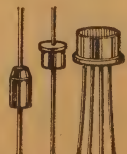


1¹⁹

12 PNP AND NPN EPOXY TRANSISTORS

Excellent assortment of top quality epoxy transistors for hobbyists, experimenters, etc. Includes assortment of 2N3565, 2N4274, 2N5040, 2N-5136, 2N5138, 2N4249, 2N3568 in TO-18 cases. 1 lb.

276 B 603, 1.19



1¹⁹

30-PC. SEMICONDUCTOR SURPRISE

Each Kit is different! Consis wide assortment of silicon al manium rectifiers, all types NI PNP transistors, powers, zene hats, diodes, more. Shpg. wt.

276 B 545,

Special Parts Bargains—only 1¹⁹

5 TYPE 2N170 NPN TRANSISTORS

General Electric's most popular NPN transistors for virtually hundreds of frequency applications for hobs, experimenters, educators, etc. Specifications: 25 mW, 6V_{CO}, 20HFE. B 574. Shpg. wt. ¼ lb.....1.19

119



30 SIL'CON AND GERMANIUM DIODES

Famous manufacturer's glass diodes, excellent for applications in switching, ultra-high-frequency, binary digital in computer and logic designs. Includes 1N-5156, 1N914, 1N3712, 1N34, 1N60, 1N447, more. 276 B 604. Shpg. wt. 1 lb.....1.19

119



30 SILICON RECTIFIERS

Great value in rectifiers. 1 to 3-amp. Ultra-long axial leads for easiest connections. Top hats, flangeless, glass-rod, glass amp; epoxy types; miniature standard and 3 amp bullets. Sorted voltages.

119



"P" AND "N" CHANNEL F.E.T. PACK

Values in Field-Effect-transistor package. High Z input. 250 MHz. "P" similar to 2N4360, 2N5033. "N" similar to 2N3819, 2N3685. Acts like a tube in audio circuits, FM receivers, etc. TO-92 case. 276 B 112. Shpg. wt. 1 lb.....1.19

119



4 40-WATT NPN TRANSISTORS

High quality silicon transistors. Similar to 2N3055, 2N3255. High power (40 watts) and high amperage up to 60 V_{CEO} Gain up to 30. Rugged weather-protected TO-3

119



5 PNP PLASTIC TRANSISTORS

Isolate heat-carrying capacity. Replace 2N4291, 2N4289, 2N4288, 2N4285, 2N4290, 2N3638, 100's more. For low level, low noise, high gain amps, rf. osc., if. "In-line" TO-18, TO-98, TO-5 cases. 276 B 596. Shpg. wt. 1 lb.....1.19

119



20 EPOXY SILICON RECTIFIERS

Of today's most widely used rectifier at a fantastic low price! Wattage: 1 amp, assorted voltages. Supplied with ultra-long leads for goof hook-ups. Perfect for hobbyists and experimenters.

119



4 2N3638 PNP EPOXY TRANSISTORS

Big transistor value! Perfect for applications in line-driving, memory circuits, computers and audio amplifiers. Replaces types HEP-716, MPS-2638, more. 300 mW, V_{CO}, 25HFE 100 MHz, 0.5 amps. 276 B 606. Shpg. wt. 1 lb.....1.19

119



4-PC PHOTO CELL TWIN PACK

Includes two each: General Electric uplight, glass-sealed with dark-ance 5000 megohms; Clairex pan-type for Instamatic Magic Eye. Resistance to 700 ohms. Comes complete with diagrams, instructions. B 6000. Shpg. wt. 1 lb.....1.19

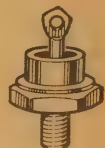
119



4 PC. POWER RECTIFIERS

Handy rectifier assortment, made to the highest production standards. Ideal for applications with low voltage transistor or battery power supplies. Two 12 amp, two 50 amp. Stud-mounted. Up to 50 PIV. 276 B 594. Shpg. wt. 1 lb.....1.19

119



GERMANIUM DIODE SURPRISE PAK

Excellent assortment package. Used in inter switching, general applications where low voltage requirements necessary, and all binary digital applications. Excellent for builders, hobbyists, and experimenters.

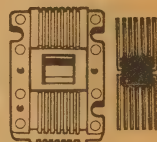
119



5 PC FLAT PACK IC'S

Made by some of today's leading electronics manufacturers such as Fairchild, National, others. Package includes gates, flip-flops, RTL, ECL, DTL, much more. Up to 14 leads. Come complete with socket adapter. 276 B 609. Shpg. wt. 1 lb.....1.19

119



2N3641 NPN EPOXY TRANSISTORS

Now while they last at this special low price. Specially designed for strictest quality control for frequency amplifiers and high power switching. Replaces HEP 50, PS-6514, etc. 1 watt max. B 608. Shpg. wt. 1 lb.....1.19

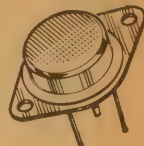
119



5 10W PNP POWER TRANSISTOR PAK

Excellent power transistor package offer. Perfect for experimenters, hobbyists, etc. May be used in applications where higher wattage rating transistors are necessary. Similar to type 2N155. 276 B 527. Shpg. wt. 1 lb.....1.19

119



5 TO-5 METAL CAN IC'S

Popular type integrated circuits. Includes flip-flops, gates, RTL, DTL, etc. Excellent for making adders, digital counters, etc. 80 leads. Shpg. wt. 1 lb. B 697.....1.19

119



15 1-AMP GLASS RECTIFIERS

Exciting new space-age development. Extra-long axial leads for perfect connections every time. Silicon and assorted voltages. Made by General Instrument and Sylvania. Untested. 276 B 555. Shpg. wt. 6 oz.....1.19

119



3 PHOTOCONDUCTIVE CELLS

Well suited for Field-effect-transistor circuitry because of high dark resistance (500 megohms). Sen. 5-29.9 per foot candle. Red sensitive. Made by famous manufacturer. Comes with diagram and instructions. 1 lb. B 589.....1.19

119



3 PC. IC SURPRISE PAK

Excellent assortment, made by such famous electronics manufacturers as Texas Instrument and Fairchild. Have dual inline, relay, TO-5 and TO-46 cases, and up to 14 extra-long leads. Includes flip-flops, etc. 276 B 554. Shpg. wt. 2 oz.....1.19

119



Special Parts Bargains—Only 1¹⁹

35 RADIO/TV KNOBS

This assortment is indispensable to servicemen and hobbyists! You get a selection of sizes, colors and shapes, most popular types, with and without shafts. Get a supply of these handy knobs at this low, low price.
274 B 1564. Shpg. wt. 2 lbs.....1.19

SUBMINIATURE TRIMPOTS

Compact potentiometers designed to snap directly into printed-circuit mountings. You get two each 5k, 10k, and 25k ohms. Rated $\frac{1}{2}$ watt. Indispensable for repair and production. Get in your supply now.
271 B 201. Shpg. wt. 1 lb.....1.19

45 PLUGS AND SOCKETS

Here is an ideal bench assortment of plugs and sockets for servicemen, Hams, hobbyists. Selected so that you get most-used types. Subminiature, printed-circuit types included.
274 B 1562. Shpg. wt. 1 lb.....1.19

8 ASSORTED ELECTROLYTICS

High-quality electrolytic capacitors for every purpose. Excellent for radio and TV repairs. Package includes FP's, plug-ins, tubulars, as well as double and triple units. Offers an assortment of working voltages and mountings. Get a big supply for your stock at this low price.
272 B 1570. Shpg. wt. $\frac{1}{2}$ lb.....1.19

20 ASSORTED TIP JACKS

Tip-jack assortment contains both insulated and non-insulated types. Fit standard tip plugs. Have metal and nylon threaded bushings; turret and spade solder terminals. Assortment contains most-used sizes.
274 B 713. Shpg. wt. 1 lb.....1.19

SPECIAL! 50 CAPACITORS

The most-used component in electronic equipment repair. Assortment of many types of capacitors including disc, ceramic, mylar, temperature-coefficient, molded, paper, oil, Vit-Q. Ideal for servicemen and hobbyists.
272 B 1199. Shpg. wt. 1 lb.....1.19

40 TERMINAL STRIPS

You get a wide variety of screw and solder-lug type terminal strips with one to six lugs. 101 uses for the builder and experimenter, ideal for service stock. Outstanding value at this low price... stock up now.
274 B 1555. Shpg. wt. 1 lb.....1.19

35 ONE-WATT RESISTORS

A resistor assortment that has hundreds of uses. Contains Allen Bradley and IRC carbons, with 5% values included. Next to capacitors, resistors are the most-used electronic component. Regular \$8.00 catalog net.
271 B 1576. Shpg. wt. 1 lb.....1.19

20 MYLAR CAPACITORS

A package of Sprague tubulars in assorted sizes, voltages, and capacitances up to 1 μ F. All have long axial leads. A "buy" for kit builders and experimenters as well as servicemen. Get your supply now!
272 B 1565. Shpg. wt. $\frac{1}{2}$ lb.....1.19

30 SCREW, TIE-DOWN TERMINAL STRIPS

An assortment of Cinch, Jones, H.H. Smith terminal strips as well as many other top brands. Includes screw, upright, and lug types. Have the right terminal strip when you need it is a great convenience.
274 B 680. Shpg. wt. 1 lb.....1.19

5 IC SOCKET ADAPTERS

Adapters hold flat packs and dual in-line integrated circuits. Highly useful for breadboarding and prototyping circuits. Hobbyists and experimenters don't miss this great value.
274 B 1514. Shpg. wt. 2 oz.....1.19

8 SETS PHONO PLUGS AND JACKS

Phono plugs and jacks offer precise construction and quality materials. Use in phono amplifiers, tuners, recorders, high-fidelity equipment, many other items of equipment. The advantage of this Allied Radio Special low price.
274 B 1575. Shpg. wt. $\frac{1}{2}$ lb.....1.19

30 MOLDED CAPACITORS

Great assortment includes a variety of capacitance values and working voltages. Includes mylars, disc types, porcelain, vitamin Q, oil-filled polystyrene. Upright and axial types. Stock up now.
272 B 622. Shpg. wt. 1 lb.....1.19

55 HALF-WATT RESISTORS

Made by Allen Bradley and many are 5% and 10% tolerance. Color chart. You get the most popular resistance values. This fine assortment is an absolute "must" for hobbyists, experimenters, and builders—get yours now.
271 B 1612. Shpg. wt. 1 lb.....1.19

40 DISC-TYPE CAPACITORS

A highly varied assortment of types. Includes VPO's, Hi-Q, N-750's, and ceramic. You get capacitance values from 10 pF to 0.01 μ F in working voltages up to 6 kV. Service will want to lay in a supply of assortment for a well-rounded stock.
272 B 1567. Shpg. wt. $\frac{1}{4}$ lb.....1.19

4 TRANSISTOR TRANSFORMERS

Made by famous U.S. manufacturer. An assortment of types, including miniatures, sub-ouncers, mike input. Color-coded leads. Ideal for building or replacement.
273 B 1581. Shpg. wt. 1 lb.....1.19

8 TOP-QUALITY PANEL SWITCHES

Assortment includes rotary, pushbutton, thermal, micro, many others. Use for miniature transfer, power and audio circuitry. Made by top American manufacturers. Don't miss this great value.
275 B 006. Shpg. wt. 1 lb.....1.19

25 POLYSTYRENE TUBULAR CAPACITORS

Hermetically sealed, stable, weight units. Direct replacement mylars and micas used in TV radio circuits. Assorted value voltages. All have axial leads.
272 B 618. Shpg. wt. 1 lb.....1.19

Special Parts Bargains—Only 1¹⁹

25 UPRIGHT CAPACITORS

Assorted high-quality upright mylar, polystyrene, glass, and dipped capacitors. Manufactured by Aerovox, Cornell Dubilier, Fast, and other top manufacturers. Working voltages up to 1000 volts. Great value!

272 B 620. Shpg. wt. 1/4 lb. 1.19



8 TUBULAR ELECTROLYTICS

You get an assortment of single and multiple-section types with axial leads. Capacitance values range up to 500 μ F—working voltages to 400 volts. Contains selected popular values. Don't miss this fine value.

272 B 511. Shpg. wt. 1 lb. 1.19



45 TUBULAR CAPACITORS

An assortment of quality tubular capacitors in capacitances from 100 pF to 0.1 μ F. Working voltages up to 600 volts. Includes molded, paper, porcelain, upright, mylar, and NPO types. Don't miss this.

272 B 1568. Shpg. wt. 1 lb. 1.19



20 POWER RESISTORS

Here's a high-quality power-resistor assortment at a low, low price! Contains vitreous, cand-ohm and wire-wound types. Power ratings range from 3 to 25 watts. Ideal for servicemen, hobbyists, builders.

271 B 1202. Shpg. wt. 2 lbs. 1.19



40 MINIATURE RESISTORS

World's smallest 1/4-watt carbon resistors. All have axial leads. Made for transistor and subminiature circuits. Assorted values. With resistor color-code chart. Ideal for servicemen, hobbyists, and experimenters.

271 B 1574. Shpg. wt. 1/2 lb. 1.19



4 SUBMINIATURE 455 kHz IF TRANSFORMERS

Slug-tuned IF transformers made for printed circuits. Fully shielded against magnetic fields. Size, 1/4x3/8x1/2". Great value!

273 B 515. Shpg. wt. 1/4 lb. 1.19



8 VOLUME CONTROLS

Contains an assortment of eight of the most popular values—with values up to 1 megohm. Includes dual types and long and short shaft sizes. Some have switch. Include this assortment in your parts stock.

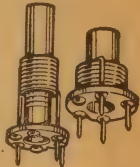
271 B 127. Shpg. wt. 1 lb. 1.19



40 COILS AND CHOKES

This is a great shop assortment of RF, Oscillator, IF, parasitic, peaking and many more highly useful types. Individually purchased, this assortment would cost you \$15. Ideal for servicemen, hobbyists, builders.

273 B 1569. Shpg. wt. 1 lb. 1.19



50 CERAMIC CAPACITORS

Popular values by Centralab and other famous-name manufacturers—capacitances from 10 pF to 0.04 μ F. Working voltages to 1000 volts. Includes tubulars, discs, NPO's, temperature coefficient types. Great value for servicemen, hobbyists!

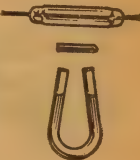
272 B 1566. Shpg. wt. 1 lb. 1.19



MAGNETIC PROXIMITY SWITCH

This component is designed for use in alarm systems, position indicators, and other equipment. Has magnetically operated reed for data or signal switching. With horseshoe magnet and flux keeper. Size, 2 1/2x1 1/2". Don't miss this great value.

275-202. Shpg. wt. 1/4 lb. 1.19



150 FEET OF HOOKUP WIRE

Hook-up wire assortment consists of six 25-foot rolls of solid and stranded wire in sizes #18 through #22. Necessary for a multitude of jobs. Servicemen, hobbyists, and kit builders will find this wire always useful.

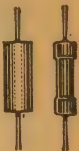
278 B 025. Shpg. wt. 1/2 lb. 1.19



60 PRECISION RESISTORS

A great assortment of one-percent-tolerance resistors for use in critical electronic equipment. You get values up to 1 megohm and wattages of 1/8, 1/4, 1, 2. Includes low-loss precision magnetic-film types.

271 B 819. Shpg. wt. 1 lb. 1.19



SQUARE-SANDED POWER RESISTORS

This great resistor assortment includes popular "square-ohm" and "SAND-ohm" plus other axial-lead types. Made by IRC, Corning-Glass, and other famous-name manufacturers. Contains 3, 5, 7, and 10 watters.

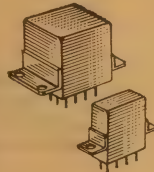
271 B 304. Shpg. wt. 1 lb. 1.19



RELAY SURPRISE PAK

Assortment of three sealed and telephone-type relays. Some are micro-miniature. You get an assortment of contacts and voltages. You'll be pleasantly surprised at the quality and value of these relays.

275 B 500. Shpg. wt. 2 lbs. 1.19



6 PRINTED-CIRCUIT ELECTROLYTICS

Its very convenient to have capacitors like these when you need them. Assortment includes upright types and a variety of capacitance values and working voltages. They are epoxy encapsulated to 100 μ F. All are by top-quality manufacturers.

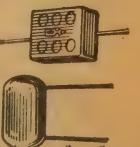
272 B 619. Shpg. wt. 1/4 lb. 1.19



30 DIPPED-SILVER MICAS

Assortment also includes some red-silver micas. You get most-popular capacitance values and working voltages to 600 volts. Great value.

272 B 623. Shpg. wt. 1 lb. 1.19



8-TRANSISTOR ELECTROLYTICS

Assortment of "Vertilytics" and axial types. Capacitances range from 5-100 μ F. Assorted working voltages. Ideal replacement types for service stock or for hobbyists and builders.

272 B 1571. Shpg. wt. 1/2 lb. 1.19



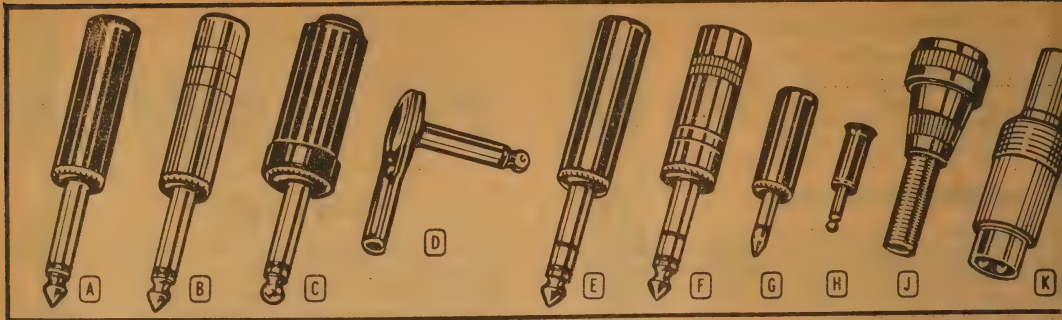
75 PRE-FORMED 1/2-WATT RESISTORS

A fine assortment of carbon resistors in most-popular values, tolerances of 5% and 10%. Color coded. Ideal for printed and subminiature circuits. Great for hobbyists, builders.

271 B 820. Shpg. wt. 1 lb. 1.19



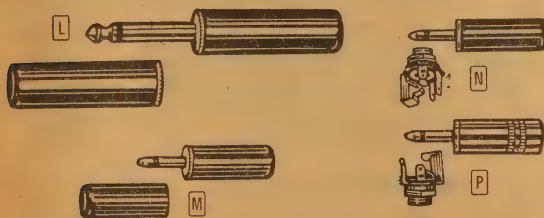
Phone, Phono Plugs, Jacks and Adapters



- A** 2-CONDUCTOR $\frac{1}{4}$ " PHONE PLUGS. Set of 3. Long slim type with $\frac{1}{2}$ " diameter black bakelite barrel. $2\frac{7}{8}$ " long.
274 B 1536. Shpg. wt. 4 oz. 3 for 99¢
- B** 2-CONDUCTOR $\frac{1}{4}$ " PHONE PLUGS. Sets of 2. Long slim type with $\frac{1}{2}$ " diameter shielded barrel. $2\frac{7}{8}$ " long.
274 B 1544. Shpg. wt. 4 oz. 2 for 99¢
- C** 2-CONDUCTOR $\frac{1}{4}$ " PHONE PLUGS. Set of 2. Double barrel. Ribbed plastic barrel handle takes cord phone tip or tips. $2\frac{7}{8}$ " long.
274 B 1539. Shpg. wt. 4 oz. 2 for 79¢
- D** 2-CONDUCTOR $\frac{1}{4}$ " PHONE PLUGS. Set of 2. Shielded flat right angle type. Ideal for space saving applications. $2\frac{7}{8}$ " long.
274 B 254. Shpg. wt. 4 oz. 2 for 79¢
- E** 3-CONDUCTOR $\frac{1}{4}$ " PHONE PLUGS. Set of 3. Slim line. Black bakelite barrel. Push-to-talk mikes, stereo headphones. $2\frac{7}{8}$ " long.
274 B 139. Shpg. wt. 4 oz. 3 for 1.39
- F** 3-CONDUCTOR PHONE PLUGS. Shielded type. $1\frac{1}{2}$ " diameter barrel. Nickel plated. Solder lug terminals. $2\frac{7}{8}$ " long.
274 B 285. Shpg. wt. 4 oz.89¢

- G** 2-CONDUCTOR MINIATURE PHONE PLUGS. Set of 2. Solder terminals. $1\frac{1}{2}$ " long.
274 B 286. Black. Shpg. wt. 4 oz. 2
274 B 287. Red. Shpg. wt. 4 oz. 2
274 B 288. Shielded. Shpg. wt. 4 oz. 2
- H** 2-CONDUCTOR SUBMINIATURE PHONE PLUGS. Set of 2. Solder terminals. $1\frac{1}{2}$ " long.
274 B 289. Black. Shpg. wt. 4 oz. 2
274 B 290. Red. Shpg. wt. 4 oz. 2
274 B 291. Tan. Shpg. wt. 4 oz. 2
- J** SINGLE CONTACT AUDIO CONNECTORS.
274 B 1560. Combination Jack and Plug.
274 B 1561. Panel or Chassis Mount.
274 B 1559. Cable Plug.
- K** D.I.N. TYPE AUDIO PLUGS. Shielded with snap-on plastic lug terminals. For imported tape recorders, CB mikes, external speakers.
274 B 004. 3-Pin. Shpg. wt. 4 oz.
274 B 003. 5-Pin. Shpg. wt. 8 oz.

PHONE PLUG AND JACK SETS



- L** STANDARD $\frac{1}{4}$ ". 2 sets of slim phone plug and inline jack set red and one black for easy identification.
274 B 1241. Shpg. wt. 4 oz.
- M** MINIATURE $\frac{1}{8}$ ". 2 sets. One set black and one red for easy identification. Includes slim phone plug and inline jack.
274 B 283. Shpg. wt. 4 oz.
- N** MINIATURE. 6 pair of matching bakelite plugs and jacks closed circuit. Transistors, earphone, receivers. Asst. color.
274 B 335. Shpg. wt. 4 oz.
- P** MINIATURE. 3 pair of matching shielded phone plugs and inline jacks. Remote speaker hookups, microphones and other.
274 B 336. Shpg. wt. 8 oz.

EUROPEAN-TYPE Y ADAPTERS

- Use to adapt the European 3 or 5 contact socket (DIN or Hirschmann) used in Norelco, Grundig, Korring, Atopex, Telefunken and Nordemende recorders and radios to all standard American phono plugs and cables.
- 42 B 2393. Adapts 3-pin socket to 2 color-coded phono jacks. 6" cables. 1.95
- 42 B 2394. Adapts 5-pin socket to 4 color-coded phono jacks. 6" cables. 2.95

20-FT. HEADPHONE EXTENSION

- 20-ft. of shielded cable with stereo plug and jack. Plugs into output jack on stereo amplifier so you can use your stereo headphones anywhere in the room. Shpg. wt. 1 lb.
42 B 2442. 3.95

FOUR 36" AUDIO CABLES

- Four color-coded cables for easy connections, checks and repairs. Feature highest quality wire, soldered connections. Plugs are molded directly to various cable combinations... ensures protection against moisture, minimizes noise, virtually eliminates short-circuits, and provides positive electrical connections. Plugs and jacks are molded of unbreakable plastic for long-life and rugged use. 36" long... applicable for most situations.
42 B 2309. Shpg. wt. 1 lb. 1.49

NEW! 24 FT. STEREO HEADPHONE EXTENSION

- Twenty-four feet of stereo extension with 3 color-coded connectors. Coiled cable complete with stereo plug and jack. Plugs into output on stereo amplifier... extend stereo headphones to 24 more feet for use in the room. 1 lb. connect. Shpg. wt. 4 oz.
42 B 2443.

COILED GUITAR CABLE WITH PLUG

- Now you don't have to worry about a feedback. Twelve-foot long coiled cable with stereo plug, plugs into your amplifier... you really move to the music and still enough from the amplifier to virtual feedback. Shpg. wt. 1 lb.
42 B 978.

72" STEREO CABLE

- Here's the easy way to connect components (especially connecting the amplifier) positively over stretches of space. Eliminates broken splices and soldered connections. Shpg. wt. 1 lb.
42 B 977.

Phono Plugs, Audio Connectors and Adapters

- Positive electrical connections
- Economical and dependable
- One just suited to your needs

CLOSED 1/4" PHONE JACKS. Accepts standard 1/4" phone plugs. Versatile, or printed circuit mounting, for many applications. Solder lug terminals provide positive connections. Complete with mounting hardware for quick, easy installation. Average shpg. wt. 3 oz.

- 280. 2-Conductor. Open Circuit... 39¢
- 281. 2-Conductor. Closed Circuit... 45¢
- 282. 3-Conductor. Open Circuit... 49¢

PHONE JACKS. Open and closed circuit. Accepts standard phone plugs. Comes complete with mounting hardware for easy installation. Average shpg. wt. 4 oz.

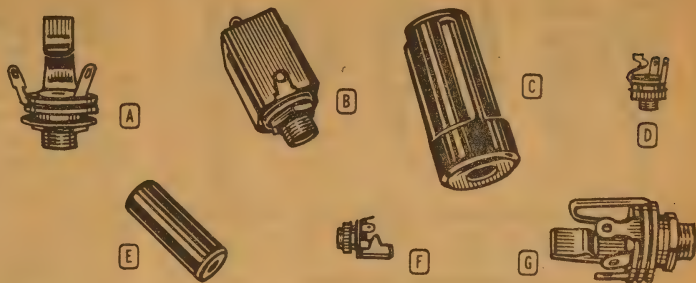
- 324. 2-Conductor. Open Circuit... 5 for 1.29
- 252. 2-Conductor. Open Circuit... 2 for 69¢
- 312. 3-Conductor. Open Circuit... 2 for 99¢
- 311. 3-Conductor. Closed Circuit... 2 for 1.19

1/4" PHONE JACKS. Durable black bakelite (resists over-heating) shell. Accepts standard 1/4" phone plugs. Dimensions: 1/2" x 1 1/8". Average shpg. wt. 2 oz.

- 340. 2-Conductor... 3 for 99¢
- 140. 3-Conductor... 3 for 1.19

STEREO PHONE JACK. 3-conductor. Double closed circuit. Positive connection. Shpg. wt. 1 oz.

- 284. 2-Conductor... 89¢



E 2-CONDUCTOR INLINE MINIATURE PHONE JACKS. Accepts miniature phone plugs. Black bakelite—resistant to overheating and burning—shell. Strong, positive connection. Quick and easy to install. Shpg. wt. 4 oz.

- 274 B 333... 2 for 69¢

F 2-CONDUCTOR SUB-MINIATURE PHONE JACKS. Accepts sub-miniature phone plugs. Closed circuit. Perfect for solid-state micro-circuits component connections. Shpg. wt. 4 oz.

- 274 B 292... 3 for 69¢

G 2-CONDUCTOR MINIATURE PHONE JACKS. 1/3 the size of standard 1/4" phone jacks. Mounts in 1/4" hole. Mounts panel up to 1/8" thick. Provides clean, positive, sturdy connections. Fast, easy to install. Average shpg. wt. 2 oz.

- 274 B 340. 2-Conductor... 3 for 99¢
- 274 B 140. 3-Conductor... 3 for 1.19

PHONO PLUGS, JACKS, COUPLERS AND ADAPTERS

AL PHONO JACK. For stereo changers, amplifiers. Accepts RCA-type phono plugs. Provides positive interconnection of audio equipment whose connectors do not mate.

- 332. Shpg. wt. 3 oz... 2 for 49¢

ELDED PHONO PLUGS AND JACKS. 3 sets of plugs and jacks for audio connections. Positive connections prevent resistive line losses. Shielded to reduce hum. 3/8 x 1 1/8".

- 334. Shpg. wt. 4 oz... 3 for 1.29

2-CONDUCTOR PHONO PLUGS. Plastic insulated plugs to prevent any crossover and short circuit. Comes complete with cable clamp to provide positive connections. Assorted colors.

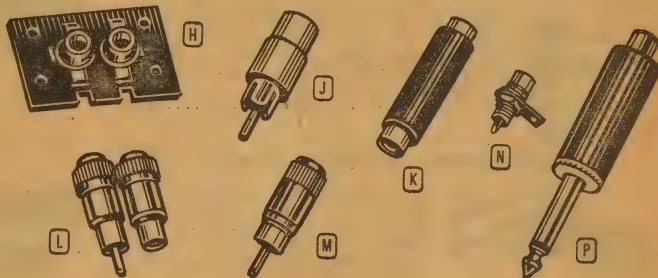
- 321. Shpg. wt. 8 oz... 8 for 99¢

ELDED PHONO PLUGS. Reduction of hum is assured in this connector that's designed for easier soldering... and better contact than non-soldered plugs.

- 339. Shpg. wt. 4 oz... 4 for 99¢

AL PHONO JACK COUPLERS. Allows 2 audio cables to be connected using phono plugs. Provides for a clean, strong, positive connection. Perfect for a variety of applications... military, hobby, etc. 1/2 x 1 1/8".

- 553. Shpg. wt. 2 oz... 2 for 69¢



N PHONO PLUG ADAPTERS. Inline adapters convert RCA-type phono plug to standard 1/4" plug. Provides a quick, positive inter-connection. Dimensions: 1/2 x 2 1/8".

- 274 B 320. Shpg. wt. 4 oz... 3 for 1.19

P SHIELDED PHONO JACKS. Accepts phono plug. Fits 1/4" mounting hole. Solder lug connections assures a durable, clean and positive mating. Shielding assures a reduction of annoying hum. Dimensions: 3/8 x 3/8". Shpg. wt. 4 oz.

- 274 B 346... 4 for 99¢

PHONO PLUG ADAPTERS

SHIELDED "Y" ADAPTERS

Phono jacks connected in parallel to a standard 1/4" plug. Shpg. wt. 4 oz.

- 303... 69¢

Phono jacks connected in parallel to a standard 1/4" phone plug. Shpg. wt. 4 oz.

- 304... 69¢

FLEXIBLE "Y" ADAPTERS

Phono jacks connected in parallel to standard 1/4" plug. Features highest quality wire, soldered connections. Plugs are molded directly to various combinations... ensures protection from moisture, minimizes noise, virtually eliminates short circuits and provides positive electrical connections. 5 3/4" long.

- 306. Shpg. wt. 4 oz... 69¢

PHONE PLUG ADAPTERS

(Not illus.) Shielded phone jack at rear converts standard 1/4" phone plug to phono plug. Shielding assures a reduction of annoying hum so you can enjoy "true-to-life" distortion-free sound. Gives strong, clean and positive connections. 2 1/8" long.

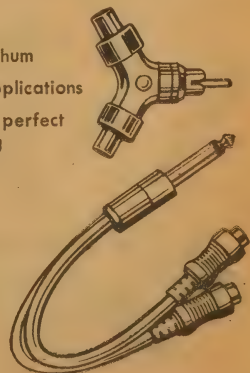
- 274 B 389. Shpg. wt. 4 oz... 2 for 99¢

PLUG ADAPTER SET

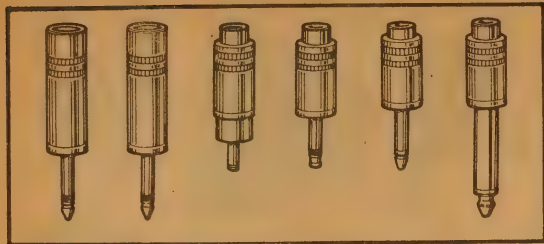
(Not illus.) Now you can solve numerous connection problems with this handy kit for adapting miniature phone plug to phono plug, from phono plug to miniature phone plug, from miniature phone plug to standard 1/4" phone plug. Provides strong and positive electrical connection for plug and jacks that do not match. Shpg. wt. 4 oz.

- 274 B 046... 3 for 1.29

- Prevents hum
- Many applications
- Provides perfect mating



Parts bargains for hobbyists and experimenters



A B C D E F

SHIELDED PLUG ADAPTERS

Provide quick, sure interconnection of audio equipment whose existing connectors do not mate. Positive mating contacts prevent resistive line losses. All are shielded to assure reduction of hum.

- A Adapts miniature phone jack to standard 1/4" phone jack.
274 B 325, Shpg. wt. 1/2 lb. 79¢
- B Adapts miniature phone jack to phono plug.
274 B 326, Shpg. wt. 1/4 lb. 69¢
- C Adapts miniature phone jack to subminiature phone plug.
274 B 327, Shpg. wt. 1/4 lb. 69¢
- D Adapts subminiature phone jack to miniature phone plug.
274 B 328, Shpg. wt. 1/4 lb. 69¢
- E Adapts standard 1/4" phone jack to miniature phone plug.
274 B 047, Shpg. wt. 1/2 lb. 2/1.19
- F Adapts subminiature phone jack to standard 1/4" phone plug.
274 B 329, Shpg. wt. 1/2 lb. 2/79¢

MICROPHONE ADAPTER PLUG



Used to adapt a 1/4" phone plug into a standard female microphone connector. You can record what you are playing, singing, etc. without the need of a special cord. Prevents resistive line losses by positive mating . . . and is shielded for reduction of hum.

274 B 048, Shpg. wt. 1/2 lb. 69¢

25-FT. MICROPHONE EXTENSION CABLE KIT



Now—extend your microphone up to 25 feet away. Single conductor shielded cable with connector at each end. Complete with adapter plugs for converting microphone connector to a 1/4" phone plug or inline jack.
278 B 013, Shpg. wt. 1 1/2 lbs. . . 3.49

AUTOMOBILE CIGAR LIGHTER 12 VDC PLUG



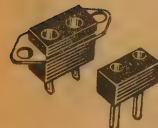
Here's an easy way to get the required power to operate appliances on 12 VDC in your car without external hot-line and ground connections. Ideal for CB transceivers, portable lights, etc. Shpg. wt. 3 oz.
274 B 331, Shpg. wt. 3 oz. 69¢

MOTOROLA-TYPE PLUGS AND JACKS



Specially designed for use in auto radios . . . any brand. Great for adding a tape deck for recording off the radio; a reverberator kit for more true-to-life sound, or adding any component to your radio to make it operate more efficiently.
274 B 711, Plugs, 4 oz. 3 for 59¢
274 B 712, Jack Flange, 1 oz. 2 for 59¢

2-PIN PLUGS AND SOCKETS



Assorted colors: Ivory, Red, Black. Plugs size: 3/4x1/2". Receptacle: 1/2x1/2". Just what you need to connect those components and be sure your finished project's circuitry is correct. Great for kit hobbyists, repairmen or anybody who enjoys working with electrical components.
274 B 342, Shpg. wt. 1/4 lb. 1.19



TIE-DOWN TERMINAL STRIPS

Bakelite strips for all types of circuit wiring. Solder lugs spaced 3/8" centers; base mounting holes for #6 screw. Makes all wiring jobs faster, easier and more dependable. Av. shpg. wt.

- 274 B 685, Center mounting type with two connecting
No ground lugs. Set of 5
- 274 B 686, Center mounting type with three connecting
Has ground lugs. Set of 5
- 274 B 687, Center mounting type with four connecting
Has ground lugs. Set of 5
- 274 B 688, Center mounting type with five connecting
Has ground lugs. Set of 5
- 274 B 689, Center mounting type with six connecting
Has ground lugs. Set of 5
- 274 B 691, End mounting type with five connecting
Does not have ground lugs. Set of 5

SCREW TERMINAL STRIPS



Bakelite strips. Solder lugs mounted on 1/16" lugs with screw terminals other side.
274 B 663, 2 Terminals, Length—1 1/16"
274 B 664, 3 Terminals, Length—2 1/16"
274 B 665, 4 Terminals, Length—2 3/16"

BARRIER TERMINAL STRIPS



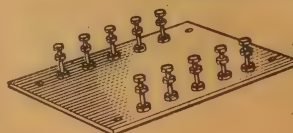
Metal to metal spacing over 1/4" lugs. Base 7/8" w. x 3/2" h. 3/8" c. Uses 5.40 binder head screws. av. shpg. wt. 3 oz.
274 B 656, Two connecting
nals. Set of
274 B 657, Three connecting
nals. Set of
274 B 658, Four connecting
nals. Set of
274 B 659, Six connecting
nals. Set of

SCREW TERMINAL KIT



Replace faulty and worn-out terminals with connections easily and inexpensively. Excellent as replacements for antenna terminals on any TV set or as speaker terminals. All 3/8" high. Each 1 1/2" long and 2 3/4" long. Shpg. wt. Simple and easy to install.
274 B 345, Shpg. wt. 1 lb. Set of 1

COMPONENT TERMINAL BOARD



Securely staked brass terminals. Solder finish. Ideal for line resistors, capacitors, etc. Complicated electrical systems make sure all components aligned. Size: 2x1 1/2".
274 B 737, Shpg. wt. 1 lb.

FAHNESTOCK SPRING CLIPS



Nickel-plated brass for high conducting placement and less resistance. Set contains 8 single long, 2 double 1 1/2" long clips. Ideal for breadboard constructions. Completely eliminates the messy and time consuming job of soldering connection. Shpg. wt. 1 lb.
270 B 393, Shpg. wt. 1 lb.

5-WAY BINDING POST



Four red and four black. Accept banana phone tips, spade lugs. Tinned solder, ins and lug terminals supplied. Great for those hard connections at the back of a radio, transistor, radio, amplifier or any job that needs an external connection that shouldn't be soldered.
274 B 661, Shpg. wt. 1/4 lb. Set of

Performance Proven Component and Terminal Connectors

"SOLDERLESS TEST PRODS"

What you need to test the delicate sections of many of your circuit components. Every electronic kit hobbyist or repairman should have at least one on easy reach in his shop or lab. Consists of 1 red, 1 black prod. 1/2" tip. 5/4" length. Threaded type.

720. Shpg. wt. 1/4 lb. 79¢

60" LONG TEST LEADS

Our new "flexiprobes" . . . probes that won't break under normal usage. They are resilient (have molded relief) when touching any surface. Specially great for probing those "hard-to-get-at" corners of complicated circuits. Completely eliminates wire breakage. Ideal plated for higher applications. If you don't have to pre-test the strength of the current through the connections.

740. Shpg. wt. 1/2 lb. 99¢

50" LONG TEST LEADS WITH BANANA PLUGS

Insulated, plastic coated wire completely eliminates wire breakage so you'll have long-lasting durability. Banana plugs have solderless plated brass tips for higher current applications. Butyrate . . . completely insulated and -proof . . . prod handles for an extra margin of safety. Shpg. wt. 1/2 lb.

746. 1.59

11-PIECE TEST LEAD SET

Set of two 4 1/2" prod. (black and red) and two 6" black and red test leads with banana plugs at each end; heavy duty spade plugs; 2 red tip plugs; 2 insulated clips; one ring-spring case.

332. 1 lb. 1.98

SOLDER TYPE PHONE TIPS

Use type phone tips to provide positive electrical and strong mechanical connections—the tip and plug itself will break before the connection. Nickel-plated brass for current applications and strong-durable, lasting performance. 1" length overall. Wt. 1/4 lb.

719. 59¢

RIGHT ANGLE METER PLUGS

Insulated solderless plug for wide range of applications in radio and hi-fi equipment, test instruments. Feature highest-quality construction—long-life reliability. Nickel plated brass for higher current applications. One and one red plug.

314. Shpg. wt. 5 oz. 2 for 79¢

BANANA PLUGS AND JACKS

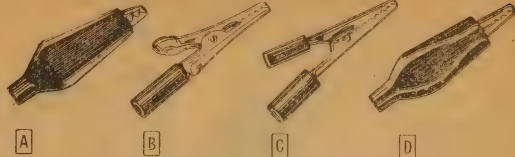
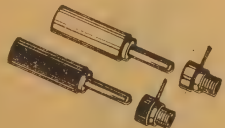
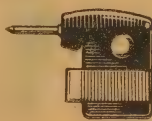
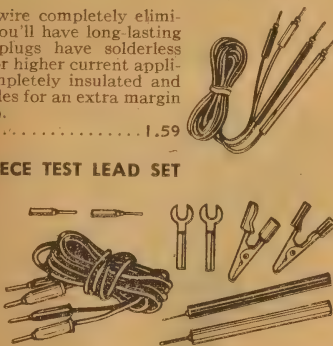
Use type banana plugs and jacks for reliability when it comes to making connections and long-lasting performance. Applications for a wide range of radio and hi-fi equipment, test instruments. Insulated to prevent current drainage. Kit contains 2 pairs red and black plugs, for easy identification.

341. Shpg. wt. 1/2 lb. 99¢

PHONE TIP AND JACK SET

Set of a set of black and red insulated plugs and jacks. Solderless type phone plug for replacement or for projects. Great test points when the circuit is fully tested. Handy item to have in your shop or lab. Shpg. wt. 4 oz.

714. Set of 2 for 79¢



INSULATED ALLIGATOR CLIPS

A "Mini" Clips. Kit contains 3 black, 3 red, 2 green, 2 yellow. Open to 3/16". 1 1/4" long. For small connections not needing soldering. Wt. 3 oz.
270 B 378. Set of 10 for 69¢

B 2 1/4" Clips. Excellent for use around shop or lab for most common connections not needing soldering. Assorted colors. Opens to 3/16". Wt. 1/4 lb.
270 B 375. Set of 10 for 79¢

C 2 1/2" Clips. 5 black and 5 red clips. Insulated—so there's no danger of a short. Solder connection. All steel. Shpg. wt. 1/2 lb.
270 B 347. Set of 10 for 79¢

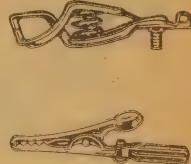
D 1 3/4" Clips. 6 black and 6 red clips make it easier to mark connections in a complicated circuit. Solder type. Shpg. wt. 4 oz.
270 B 1545. Set of 12 for 99¢

UNINSULATED ALLIGATOR CLIPS

Claw Clips. All steel, heavy duty, ideal for use in the workshop or lab. Excellent for jobs where the connections have to have the least resistance possible and where any insulation is a bother. Shpg. wt. 4 oz.

270 B 377. Set of 10 for 99¢

2" Clips. Slim type for those spaces too small and delicate for a regular soldering iron. All steel. Complete with screw connections for a completely solderless connection. Perfect for lab. Shpg. wt. 4 oz.
270 B 348. Set of 16 for 99¢



SPACE SAVER SOCKETS

Great when you're using one chassis for the power source and the other for the circuit . . . such as pre-amplifier and amplifier. Taps off 110 VAC from the source chassis to the circuit chassis. An excellent short-cut method for hobbyist or lab.
270 B 642. Shpg. wt. 4 oz. 99¢

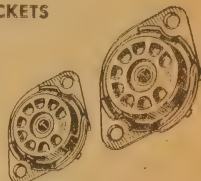


MINIATURE TUBE SOCKETS

Specially useful when constructing transmitters, receivers, TV sets, Stereo FM-AM radios, using miniature seven or nine-pin tubes. Complete with saddle mounting to chassis for positive, dependable and clean connection.

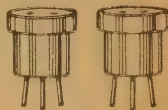
274 B 1511. 7 Pin. Wt. 1/4 lb. 5 for 49¢

274 B 1512. 9 Pin. Wt. 1/4 lb. 5 for 49¢



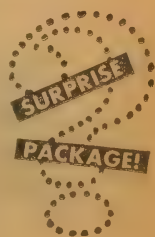
TRANSISTOR SOCKETS

Subminiature sockets eliminate loss and damage which may be caused from direct soldering of delicate transistor pins. Printed circuit or chassis mounting. Takes transistors with contact in-line or triangle. Size: 3/8"x1/4". Excellent for use when you can't solder transistor components. Wt. 4 oz.
274 B 1510. Set of 10 for 99¢



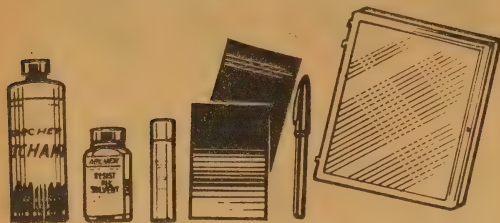
REALISTIC SURPRISE PAK

Here's a deal so utterly "stupendous" you shouldn't pass it up. A pak loaded with assorted parts . . . if purchased separately would cost many times more than our selling price. Includes: printed circuit boards, IF transformers, mylar, dipped, mica, polystyrene/capacitors, resistors, coil forms, transistors, rectifiers . . . you name the part and it's probably included in the surprise package. Now's your chance to really save money on parts you need to build your next project or finish the one you're doing. Hurry while the supply lasts!
270 B 1251. Shpg. wt. 1 lb. 1.49



Printed Circuit Components for Hobbyists and Builders

Printed Circuit Kit with All
You Need to Build PC Boards



Kit contains everything you need to design and make PC boards. 2 printed circuit boards, resist ink pen, 6-oz. bottle of etchant, 2-oz. bottle of resist ink solvent, $\frac{1}{16}$ " drill bit, $7\frac{1}{8} \times 5\frac{1}{8} \times 2$ " plastic box. Ideal for students, hobbyists... novices too!

276 B 1576. Shpg. wt. 2 lbs. 6.95

ARCHER PERF-BOARDS MAKE BUILDING CIRCUITS EASY, QUICK AND ACCURATE!

- Ideal for modular construction
- Accepts miniature components
- Phenolic and Copper-clad
- Easy mounting only $\frac{1}{16}$ " thick
- Breadboard or permanent

Low as **59¢**

Design, construct your own circuits using these time-saving phenolic and copper-clad boards; breadboard or permanent type. Ideal for experimenters, builders, hobbyists. $\frac{1}{16}$ " thickness. Can be easily sawed. Shpg. wt. 1 lb.

PATTERNS FOR PERF-BOARDS

Pattern	Grid Hole Centers	Hole Size
A	.265x.265	$\frac{3}{32}$ "
B	.187x.187	$\frac{1}{16}$ "
G	.100x.200	$\frac{1}{16}$ "

PREPUNCHED PERF-BOARDS

Stock No.	Pat-tern	Size	Price
276 B 1582	A	$3\frac{5}{8} \times 6\frac{7}{8}$ "	.59
276 B 1583	A	$6\frac{7}{8} \times 9\frac{3}{4}$ "	1.19
276 B 1390	B	$4\frac{1}{2} \times 5\frac{5}{8}$ "	.69
276 B 1391	B	$5\frac{5}{8} \times 9$ "	.99
276 B 1392*	G	$4\frac{1}{2} \times 5\frac{5}{8}$ "	.69
276 B 1393*	G	$5\frac{5}{8} \times 9$ "	.99

*Alternate Grid

PREPUNCHED COPPER-CLAD

Stock No.	Pat-tern	Size	Price
276 B 1584	A	$3\frac{5}{8} \times 6\frac{7}{8}$ "	.89
276 B 1585	A	$6\frac{7}{8} \times 9\frac{3}{4}$ "	1.75

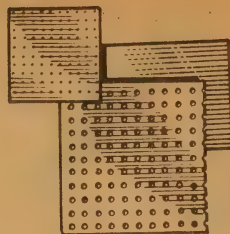
SOLID COPPER-CLAD

Stock No.	Size	Price
276 B 1586	$3\frac{5}{8} \times 6\frac{7}{8}$ "	.79
276 B 1587	$6\frac{7}{8} \times 9\frac{3}{4}$ "	1.59

SET OF 10 PREPUNCHED PERF-BOARDS

Easy, quick and accurate to design and construct your own circuits with these assorted types and sizes of perf boards. Hole sizes are $\frac{1}{16}$ " and $\frac{3}{32}$ "; straight and alternate grids. Sizes vary; $1\frac{1}{2}$ "-3" square, rectangular. Shpg. wt. $\frac{1}{2}$ lb.

276 B 1575.... Set of 10 for 1.19



10 Copper-clad Perf-board

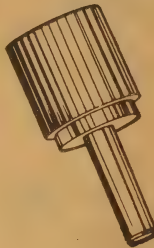
- Accepts miniature components
- Perforated and solid perf-board

Ten assorted sizes of perforate solid copper-clad perf-boards. Have to do for a perfect printed install the components and then out the circuit. Board itself is ph Shpg. wt. 11 oz.

276 B 1580..... Set of 10

10 Positive Binding Post Connections

- 5 red and 5 black
- High-conductive brass plated
- Perfect solderless connection

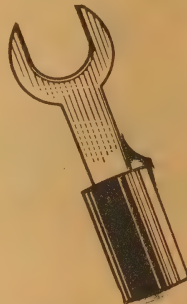


Needed to form the perfect solderless connection in a component circuit. banana and spade lugs... holds them in place... for a highly conductive active connection. Brass plated steel excellent current carrying capacity. Completely insulated to insure against shorts. $\frac{3}{8}$ " long. Shpg. wt. 3 oz.

270 B 1542..... Set of 10

Set of 10 Spade Lugs With

- 5 red and 5 black for quick terminal identification
- Sturdy open-end type



Form perfect electrical connection. Ideal for radio, TV and servicing as well as all-purpose work. Jack allows you to add the spade lug to a perf-board strong, positive solderless connection. Phenolic insulators insure against shorts. $\frac{7}{8}$ " long. Wt. 2 oz.

270 B 1541..... Set of 10

Set of 10 Alligator Clips

- 5 red and 5 black clips for terminal identification
- Insulated phenolic barrels



High-conductivity for good current capacity. Brass plated steel strong, positive terminal connection. Phenolic barrels to insure against circuits. Excellent for any application where it is desirable to pierce the insulation of a wire to make a more direct connection. $1\frac{3}{8}$ " long. Shpg. wt. 2 oz.

270 B 1540..... Set of 10

Set of 10 Spring Banana Plugs

- Ideal for $\frac{1}{16}$ " hole in perforated boards
- Strong... positive connection



Spring banana plug makes a strong connection. Ideal for $\frac{1}{16}$ " hole in boards where the components have a good terminal connection. Also a wide variety of industrial, experimental and military uses. Overall length, 1" which makes it perfect for all miniature job application.

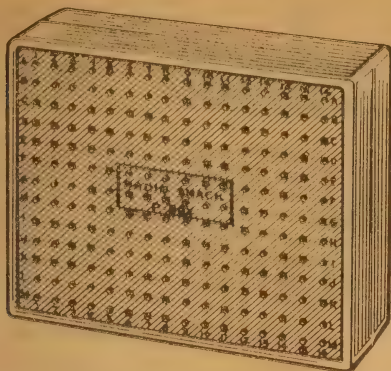
270 B 1543. Wt. 2 oz.... Set of 10

ALLIED RADIO SHACK STOCKS EVERYTHING YOU
FOR ANY CIRCUITRY OR COMPONENT APPLICATION

Perfboards, Perfboxes and Terminal Connectors

RADIO SHACK EXPERIMENTER'S "P-BOX"

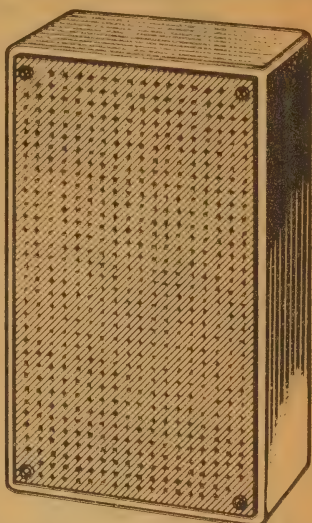
ent parts
without
pecial
cutting tools
movable
transparent
d with
ange



ry, versatile "P" box was specially designed and engineered
Radio Shack using a revolutionary new material that withstands
eat required in normal soldering. Grey perforated work base
1/32" dia. holes. Size: 4 5/8 x 3 3/8 x 1 1/2".
\$1.05. Shpg. wt. 1/4 lb. 59¢

PERFBOX ELIMINATES CUTTING AND DRILLING

- Complete with 3 1/2 x 6" Perfboard Top
- Drilled 2 1/4" speaker grille for use with any small PM speaker



PATTERNED PERF BOARDS

Copper clad
Ideal for experimenters

anced pattern in perf.
makes transistor mount-
and terminal connection
Specially designed for cir-
circuiting. All holes are a
ard .062" (1/16") diameter.
6 x 3 1/2" . . . ideal for almost
circuitry and component
ation. Shpg. wt. 1/4 lb.
\$1.588. 2 for 1.98

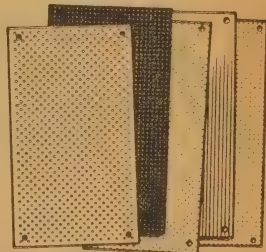


Removable perfboard front makes component wiring easy. A 1/4" dia. hole in side serves as outlet for speaker wire, line cord or harness. Rear pre-drilled for 2 1/4" or other PM speaker. Bakelite case 3 3/4 x 6 1/8 x 2". Perfboard hole dia. .062".
270 B 097. Shpg. wt. 1 1/2 lbs. 1.69

EXPERIMENTER'S 5-PIECE PANEL SET

- 3 Perfboards
- 1 Aluminum panel
- 1 Bakelite panel

Now you can have a professional looking finished project by using this set for your component circuits and housing them in our PERF BOX . . . for which they were specially made. 1/16" thickness accepts most miniature components and connectors. Size: 3 1/2 x 6". Perfboard hole diameter 1/16". Shpg. wt. 1 1/2 lbs.
270 B 100. . . . Set of 5 for 1.69



48 METAL SPACERS

- Lightweight . . . sturdy . . . long-lasting aluminum
- Four lengths for any project application

circuit boards without fear of boards
sing and ruining delicate circuitry.
ially useful when assembling multiple
boards into our PERFBOX (sold on
age). Sizes vary: 1/4", 1/2", 3/4" and 1".
ructed of aluminum . . . lightweight,
asting and durable . . . will not crack or
under normal use. Designed for use
2, 4 or 8 screws.
1393. 48 for 1.49



PRINTED CIRCUIT ETCHANT SOLUTION

mpletely removes copper from perfboard
fe . . . easy . . . and fast to use
"must" for the hobbyist and builders

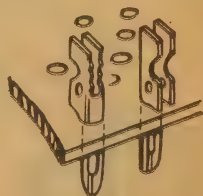
erfect etchant solution to make accurate
ependable printed circuit boards time
ime. Ferric chloride eats unwanted cop-
porously away, is completely harmless
board and will not corrode or in any way
te the phenolic. Simple to use. Apply a
ink in the exact pattern you desire on the
 . . . then apply the etchant solution.
nt removes all copper from printed circuit
except the copper treated with the resist
ate and harmless to use.
1535. Shpg. wt. 1 1/2 lbs. .16 oz. for 1.69



"PUSH-IN" TERMINALS

- 100 piece assortment
- For prepunched perfboards

Holds multiple leads and needs no staking to assure sturdy and positive terminal connections. Specially designed and engineered for use with prepunched perfboards. 1/16" dia. easily snaps into holes. Plus the added feature of serrated slots for better grip and long-lasting connection. Wt. 1/4 lb.
270 B 1394. 100 for 1.59



SPRING SOLDERLESS TERMINALS

A "must" for setting up perfboards without soldering. Each spring terminal accepts up to 8 leads for sturdy, long lasting and positive connections. Spring action for easy use . . . the leads virtually slip in between the spring coil to provide a binding contact that will not loosen. Spring terminal itself offers excellent current carrying capacity. Ideal for miniature applications. Shpg. wt. 3 oz.
270 B 1547. 20 for 99¢

- Perfect for solderless perfboard circuits
- Gives a strong and positive connection



se include your ZIP CODE on order blank when ordering

Exciting Values on Capacitors and other Quality Components

TUBULAR CAPACITORS

Molded tubular capacitors built for long life under high humidity and temperature operating conditions. Leakproof, non-flammable case. 250 WVDC. Average shpg. wt. 3 oz.



Stock No.	μF	Size	PRICE
272 B 1051	.01	9/16x5/16x3/16"	2/.45
272 B 1052	.047	9/16x7/16x3/16"	2/.49
272 B 1053	.1	9/8x7/16x3/16"	2/.59
272 B 1054	.47	9/16x7/16x3/16"	2/.69
272 B 1055	1.0	1 1/16x1 1/2x3/8"	Ea. .79

CERAMIC DISC CAPACITORS

High-efficiency ultra-compact ceramic disc capacitors with moisture-proof coating.
In Packages of 3, 2 oz. Pkg. of 3 for 39¢



Stock No.	pF	Stock No.	pF
272 B 120	5	272 B 126	1000
272 B 121	47	272 B 127	1500
272 B 122	87	272 B 128	2000
272 B 123	100	272 B 129	4700
272 B 124	220	272 B 130	5000
272 B 125	470	272 B 131	10000

JUMBO PACKAGE OF CERAMIC DISCS

Just the thing for the experimenter or hobbyist who wants to build up a supply of assorted components at a low price. Contains 1/2 lb.—over 300—of ceramic disc capacitors in a variety of values and working voltages. Includes NPO's, N-750's and square "thin" types. Assortment of hi-Q and temperature-compensated ceramics plus a variety of feed-thru's. Majority are marked with capacity and voltages. Shpg. wt. 8 oz.
272 B 987.....2.49

VARIABLE LOOPSTICKS

Designed for both general replacement use in small radios and experimentation and construction of similar circuits. Smoothly-variable core tunes to be compatible with 365 pF tuning condenser. Center-tapped for convenient application to transistor circuitry. In sets of three. Shpg. wt. 8 oz.
270 B 376.....Set of 3 for 1.19



FERRITE LOOP ANTENNA COIL

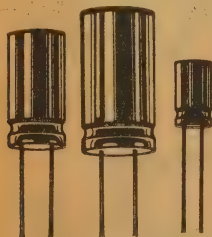
A high-quality slug-tuned ferrite loop antenna coil suitable for transistor, tube or crystal radios. Sensitive high-Q antenna matches all tuning condensers in the broadcast band and helps give greatly improved reception. Includes mounting bracket and hardware. Overall size, 2x1/2". Shpg. wt. 4 oz.
270 B 1430.....79¢



PRINTED CIRCUIT ELECTROLYTIC CAPACITORS

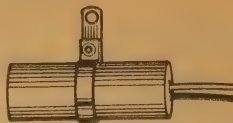
- Most popular values, types
- Packed in handy plastic box
- Rated at 35 Volts DC

An assortment of the most popular types and sizes of printed circuit (PC) type electrolytic capacitors. These are all brand-new, first-quality capacitors packed in a plastic box for easy handling and storage. All are rated at 35 WVDC. The set of fourteen consists of three each: 5 μF, 10 μF; two each: 25 μF, 50 μF, 100 μF; one each: 200 μF, 500 μF. Shpg. wt. 1 1/2 lbs.
272 B 1035.....2.98



TUBULAR ELECTROLYTIC CAPACITORS

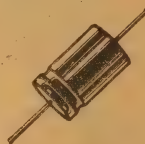
Tubular electrolytic capacitors designed for both service repair applications and for experimenters and hobbyists. Sections in one capacitor, leads. Shpg. wt. 2 oz.



Stock No.	μF	WVDC	Size	PRICE
272 B 101	20	150	1 1/16x1 3/4"	2/.45
272 B 102	40	150	1 1/8x1 3/4"	2/.49
272 B 103	20	450	1 1/16x1 3/4"	2/.59
272 B 104	40	450	1 1/16x2 3/8"	2/.69
272 B 105	20x20*	150	3/4x2 1/4"	2/.45
272 B 106	50x30*	150	7/8x2 1/4"	2/.49
272 B 107	50x50*	150	7/8x2 1/4"	2/.59
272 B 108	80x50*	150	1x2 1/2"	2/.69

SUBMINIATURE ELECTROLYTIC CAPACITORS

These subminiature electrolytic capacitors are ideal for transistor and micro-circuits—they come in sizes as small as 1/32x1 1/32". Allow you to save more circuitry in a smaller space. Greater miniaturization. Hermetically sealed against moisture and corrosion to insure long shelf life and long operating life. Precision construction provides stable capacity and low leakage current. Average shpg. wt. 2 oz.



15 WVDC				
Stock No.	μF	Size	PRICE	
272 B 1001	5	7/32x1 9/32"	2/.45	
272 B 1002	10	1/4x1 9/32"	2/.49	
272 B 1003	25	9/16x1 9/32"	2/.59	
272 B 1004	50	9/16x1 9/32"	2/.69	
272 B 1005	100	13/32x1"	2/.45	
272 B 1006	200	13/32x1"	2/.49	
272 B 1007	500	19/32x2 9/32"	Ea. .79	
272 B 1008	1000	23/32x1 21/32"	Ea. .89	

35 WVDC				
Stock No.	μF	Size	PRICE	
272 B 1012	5	1/4x1 9/32"	2/.45	
272 B 1013	10	9/16x1 9/32"	2/.49	
272 B 1014	25	9/16x1 9/32"	2/.59	
272 B 1015	50	13/32x1"	2/.69	
272 B 1016	100	23/32x1"	2/.45	
272 B 1017	200	23/32x1"	2/.49	
272 B 1018	500	23/32x1 21/32"	Ea. .79	
272 B 1019	1000	7/8x2 1/4"	Ea. .89	

PC-TYPE ELECTROLYTIC CAPACITORS

Top-quality electrolytic capacitors ideal for applications in printed circuits. Both leads are at one end of the capacitor to facilitate wiring upright on a PC board. Small size for miniaturization; great for the student, experimenter or hobbyist. 35 WVDC. Av. shpg. wt. 1 oz.



Stock No.	μF	Size	PRICE
272 B 1024	5	1/4x3/8"	2/.45
272 B 1025	10	9/16x1 3/32"	2/.49
272 B 1026	25	3/8x1 3/32"	2/.59
272 B 1027	50	3/8x3/16"	2/.69
272 B 1028	100	3/8x3/4"	2/.45
272 B 1029	200	13/32x1 5/16"	2/.49
272 B 1030	500	3/4x1 5/8"	Ea. .79

AUDIO FREQUENCY TRANSFORMERS

Midget audio transformers designed specifically for transistor circuits. Great for coupling amplifiers to speakers, microphone outputs to plifier inputs or applying audio-frequency signals to a radio transmitter. "Center tap" on primary winding. Shpg. wt. 8 oz.



Stock No.	Type	Impedance, Ohms	
		Primary	Secondary
273 B 1376	Input	200 K	1 K
273 B 1379	Output	500*	3.2
273 B 1380	Output	1 K*	8
273 B 1378	Driver	10 K	2 K
273 B 1381	Output	500*	3.2/8

Allied Radio Shack is the biggest and best source of experimenters' and servicemen's supplies. When you shop from our 1971 catalog or visit any of our 850 stores, you see literally thousands of items not available from any other outlet.

Tuning Capacitors, Transformers, Variable Voltage Control

SUB-MINIATURE WAFER-TYPE VARIABLE CAPACITOR

the thing you need for working with tuned radio frequency circuits! A really top-ty variable capacitor designed for a wide variety of applications. Great for general cement use and for experimental construction by hobbyists and students. Just the size for perfect integration with most AM radio circuits—365 pF. Solid wafer con- tion gives perfect, smooth rotation and accurate mesh in both clockwise and counter- wise directions. Interleaved insulation prevents any possibility of shorting between s. Overall size, 1" square and 3/8" deep. Machined shaft is 1/4" diameter and 1" long. gned for easy panel mount in any equipment. Shpg. wt. 4 oz.

3 1341.....59¢

MINIATURE TUNING CAPACITOR WITH CALIBRATED DIAL

ally designed to be incorporated into experimenter-built TRF radios. Includes a fine- ture tuning capacitor with an easy-to-read plastic dial calibrated with the exact fre- cies you need. Use with easy-to-build transistor circuitry to make your own AM radio- listen to all your favorite programs. Variable capacitor has the smooth, solid "feel" is the mark of the quality tuning control. Has minimum capacity at full clockwise- on and maximum at full counterclockwise position. Dial is calibrated from 530 kHz to 6 kHz. Overall size, 1x1x1/2". Can also be used in a wide variety of electronic applications.

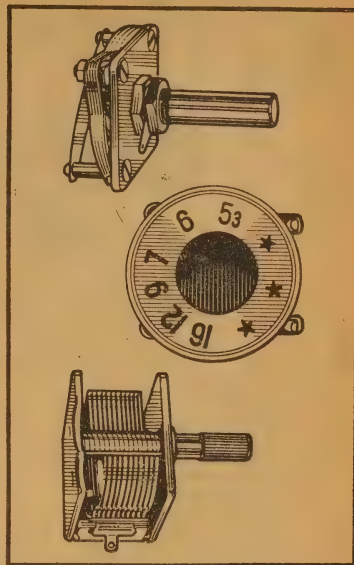
wt. 5 oz.

3 1431.....79¢

GENERAL PURPOSE SINGLE GANG VARIABLE CAPACITOR

h-quality general purpose variable capacitor that can be used for a multitude of pur- . The specifications of this great tuning control make it applicable for a wide variety- perimenter's project AM radios. Uses only the finest materials and most solid construc- solid aluminum stator and rotor blades reduce noise and resist corrosion for the life- of the capacitor. Low-loss bakelite insulation insures a large capacitance with no- tpe of breakdown or shorting. Smooth ball-bearing operation. Single gang. Capacitance- ble with counterclockwise rotation from 9.6 pF to 365 pF. Overall size, 1 1/2x1 3/8x1 1/2". Shaft is 1 1/2" long with 1/4" dia. Shpg. wt. 4 oz.

3 1343.....1.29



FILAMENT TRANSFORMERS FOR A VARIETY OF PROJECTS

- Ideal for Replacement, Experiments and Conversions
- Open Frame Design with Rugged Steel Construction
- Long Color Coded Leads Facilitate Easy Wiring

ty-constructed transformers that have hundreds of applica- in electronic projects. Provide reliable voltage for filaments of m tubes. Primaries are all for 117 volts 60 Hz AC. Secondaries 1.2 ampere capacity. Insulation breakdown voltage, 1500 Color-coded leads. Made in U.S.A.

olt Secondary. Size, 1 1/4x1 1/2x3/4".
050. Shpg. wt. 1 lb.....1.29

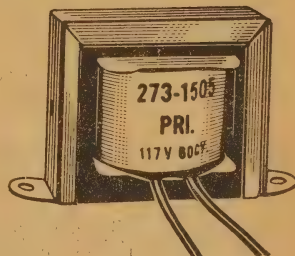
olt Center-tapped Secondary. Size, 2x2 3/8x1 1/2".
1505. Shpg. wt. 1 lb.....1.89

olt Secondary. Size, 2x1 1/2x3 3/16".
1480. Shpg. wt. 1 lb.....1.98

Low as

29

Made in
U.S.A.



455 kHz IF TRANSFORMERS

STANDARD SIZE TRANSFORMERS

- For Replacement and Radio Projects
- For Both Input and Output Circuits
- Mounting Clip and Solder Terminals

ard replacement intermediate fre- quency transformers for AM radios and ns Band transceivers. Very high gain for both input and output circuits. For tuning with standard alignment With mounting clip and solder termi- Size, 1 7/8x3 1/4x3/4". Shpg. wt. 1/4 lb.

1382.....Set of 2 for 1.19

SUBMINIATURE TRANSFORMERS

- For Printed Circuit Board Mounting
- 3 Transformers plus Oscillator Coil
- For Replacement and Experiments

Kit of three intermediate frequency trans- formers plus one oscillator coil form a complete set for the IF circuit. For replace- ment use in AM radios and experimental projects. All have 455 kHz intermediate frequency. Slug for tuning adjustments. Measure only 1/2x3/8x3/8". Shpg. wt. 1/4 lb.

273 B 1383.....Set of 4 for 1.19



Choice of Standard
Size Set of Two
or Subminiature
Set of Four

19



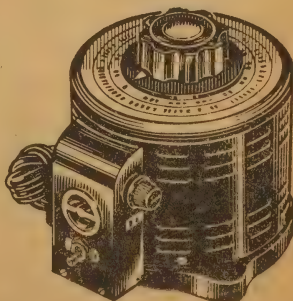
100-WATT VARIABLE VOLTAGE CONTROL

- Voltages Can Be Adjusted from 0 to 14 Volts AC
- Use for adjusting Low Line Voltages and Dimming Lights
- Heavy-Duty Construction for Use in Factory or Shop

ble autotransformer of toroidal core design capable of deliver- ing voltages from 0 to 140 volts AC. Maximum ratings apply over- range of output voltage. Ideal for adjusting line voltages and eds of other applications in laboratory, workshop, home, e shops and factories. Can provide proper voltages to countless of machinery and equipment. Rugged industrial construction ithstand tough usage. Comes complete with heavy-duty line and plug, on/off switch, AC outlet, and fuse. AC input: 110-120 volts at 50/60 Hz.

043. Shpg. wt. 12 lbs.....14.95

14⁹⁵



Record of Orders Filled in the Country

Allied Radio Shack Has the Right Switch for Any Use

QUALITY REALISTIC SWITCHES AT LOW COST

- Choose From A Wide Variety of Styles for Hobby or Workshop Applications
- Made of Highest Quality Materials
- Maximum Insulation for Added Safety

First quality switches by Realistic offer top performance for the hobbyist or for industrial uses. Ideal for replacement or for building up-to-date equipment. Feature compact, lightweight construction. Models come complete with all hardware.

LEVER SWITCHES

A 4PDT ANTI-CAPACITY TYPE, 4 sets of SPDT contacts, 3 locking positions, 1" handle, $3\frac{1}{8} \times 8\frac{1}{2} \times 1\frac{1}{8}$ ", 5 amp @ 125 VDC, 275 B 600, Shpg. wt. 6 oz.....79¢

MICRO SWITCH

B MINIATURE SPST LEAF SWITCH, Leaf actuated. Solder lug terminals, 10 amps @ 250 VAC. Size (less actuator): $\frac{3}{8} \times \frac{3}{8} \times 1\frac{1}{8}$ ". Normally open.
275 B 007, Shpg. wt. 4 oz.....59¢

KNIFE SWITCHES

C SET OF 2 DPDT TYPE, Spring-plated contacts. Screw terminals, bakelite handles, 0.5 amps @ 200 VAC, $1\frac{1}{2} \times 2\frac{3}{8} \times \frac{3}{4}$ ".
275 B 1537, Shpg. wt. 2 oz.....59¢

ROTARY SWITCH

D 4-POLE 2-POSITION TYPE, 1 gang. Change up to 8 circuits at a time. Shaft lgth: $2\frac{1}{4}$ " dia. with mnt. nut. 0.3 amps @ 125 VAC.
275 B 1384, Shpg. wt. 4 oz.....69¢

MERCURY SWITCHES

E GLASS TYPE. Long connecting wire leads. Lamp contact. $1\frac{1}{2} \times \frac{3}{8}$ ".
275 B 028, SPST, Shpg. wt. 4 oz.....99¢
275 B 027, SPST, Shpg. wt. 4 oz.....89¢

SLIDE SWITCHES

F SET OF 2 SWITCHES. Solder lug terminals, 4 amps @ 125 VAC. $\frac{1}{2} \times 1\frac{1}{8}$ ".
275 B 401, SPST, Wt. 4 oz.....39¢
275 B 402, SPDT, Wt. 12 oz.....45¢
275 B 403, SPST, Wt. 4 oz.....49¢

G SWITCH KIT. Consists of 1 SPDT, 1 SPDT, 3 SPST, 1 DPST. Rated at .5 amps at 125 VAC. Size: $\frac{1}{2} \times \frac{7}{8} \times 1\frac{1}{4}$ ".
275 B 327, Shpg. wt. 3 oz.....99¢

PUSHBUTTON SWITCHES

H SPST MINIATURE. Set of 5. Miniature momentary, contact type—normally open. $\frac{1}{4}$ " mnt. hole req. Solder lug terminals. Red button with black bakelite body— $\frac{7}{8}$ " diameter. Rated 5 amps @ 125 VAC.
275 B 1547, Shpg. wt. 4 oz.....1.19

J SPST PUSH-ON, PUSH-OFF TYPE. Requires $\frac{1}{4}$ " mnt. hole. Panel mnt. 3 amps @ 250 VAC. Lgth: $1\frac{1}{8}$ ". Solder lug terminals.
275 B 011, Shpg. wt. 4 oz.....69¢

ROCKER SWITCHES

K KIT OF 1 SPDT AND 1 DPDT, 3 amps @ 125 VAC. Solder lug terminals. Non-shorting.
275 B 030, Shpg. wt. 4 oz.....99¢

TOGGLE SWITCHES

L STANDARD, Bakelite, 3 amps @ 125 V. On/off plates, lug terminals, $\frac{1}{32}$ " sh. Bat handles. Req. $\frac{7}{16}$ " mnt. hole.
275 B 602, SPST, Shpg. wt. 2 oz.....
275 B 666, DPDT, Shpg. wt. 2 oz.....

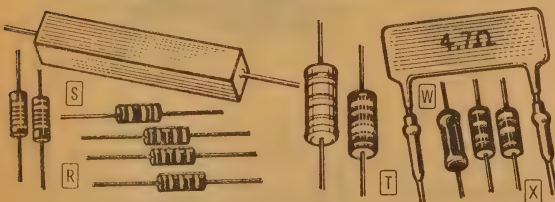
L SWITCH KIT. Set of 3 (1 DPDT, 2 SPST). With bat handles, on/off plates, solder lug terminals, 3 amps @ 125 VAC.
275 B 322, Shpg. wt. 4 oz.....

M SUBMINIATURE TYPE. Rated 10 amp 125 VAC. Solder lug terminals, $\frac{3}{8}$ " handle, $\frac{1}{4} \times \frac{1}{4} \times \frac{1}{4}$ ". Shpg. wt. 4 oz.
275 B 1546, DPDT.
275 B 326, SPDT, W/4 color handles.

N SPST LEVER TYPE, $1\frac{1}{2} \times \frac{3}{8}$ " black lever, 10 amps @ 250 VAC. Bushing: $\frac{1}{2}$ " Body size: $1\frac{1}{2} \times \frac{3}{8} \times \frac{3}{8}$ ".
275 B 651, SPST, Shpg. wt. 4 oz.....
275 B 652, DPDT, Shpg. wt. 4 oz.....

P CENTER-OFF HEAVY DUTY DPDT. Sealed. Long bat handles, 10 amps @ 125 V. On/off plate, screw terminals, moulded hole, $\frac{3}{4} \times 1\frac{1}{2} \times 1\frac{3}{8}$ ".
275 B 1533, Shpg. wt. 4 oz.....

ALL NEW U.S. MADE RESISTORS



R 1/2 Watt—Set of Two

Specify Resistance Value When Ordering.
271 B 000 C.

10	150	1.5K	18K	220K	2.2
12	180	1.8K	22K	270K	2.7
15	220	2.2K	27K	330K	3.3
18	270	3.3K	33K	390K	3.9
22	330	3.9K	39K	470K	4.7
27	390	4.7K	47K	560K	6.8
33	470	5.6K	56K	680K	8.2
39	560	6.8K	82K	820K	10
47	680	8.2K	100K	1 Meg	12
68	820	10K	120K	1.2	15
82	1K	12K	150K	1.5	18
100	1.2K	15K	180K	1.8	22

T 1/2 Watt—Pack of 100

- Long Axial Leads
- All Color-Coded
- Contains 21 Values

Money-saving kit for builders, hobbyists, lab or workshop. All top-quality U.S. made. With handy plastic storage box for easy handling. Contains 6 each: 4.7K, 10K, 100K; 5 each: 100Ω, 330Ω, 470Ω, 680Ω, 1K, 15K, 220K, 270K; 4 each: 15Ω, 180Ω, 390Ω, 22K, 56K, 120K, 330K, 1 Meg; 3 each: 22Ω, 270Ω.

271 B 306, Shpg. wt. 1 lb. 2.99

W 10 WATT FUSED

79¢ Packaged in Sets of Two

Cat. No.	Ohms	Set of 2
271 B 147	7.5	.79
271 B 148	5.6	.79
271 B 149	4.7	.79

X 100 COMPOSITION PACK

249 All Have Long Axial Leads
Incl. 1/10, 1/2, 1 and 2 watters. Many 1% and 5%. Carbons, carbifilms, tin oxides, metal film.
271 B 810, Wt. $\frac{3}{4}$ lbs. 2.49

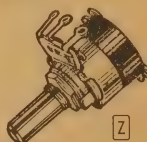
BUILDERS' SENSITIVE SPDT "MINI" RELAY

195 Offers low current drain—ideal for transistor circuitry, remote control



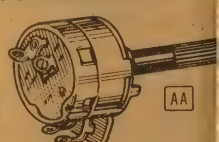
Extremely lightweight, miniature relay, encased with 2-in. long connecting leads. In current of 6 ma. Coil voltage of 6 to 9 V. Contact ratings of 600 ma @ 50 VAC/DC. Has DC coil resistance of 500 ohms. Size, $\frac{7}{8}$ -in. high x 1-in. wide x $\frac{3}{8}$ -in. deep.
275 B 004, Shpg. wt. 4 oz.....

VOLUME CONTROLS



A STANDARD TYPES
Linear taper: 2"x $\frac{1}{4}$ " shafts, Rated 3A at 125V. Mounting hardware
79¢ WITHOUT SWITCH

Cat. No.	Ohms	Each
271 B 1714	5K	.79
271 B 1715	10K	.79
271 B 1716	50K	.79
271 B 092	100K	.79
271 B 210	500K	.79
271 B 211	1 Meg.	.79
271 B 853	2 Meg.	.79



Z MINIATURE TYPE
• Take Minimum S
• With SPST Switch

Audio taper controls with flattened shaft. For $\frac{3}{16}$ " hole dia. body.
271 B 214, 5000Ω.....
271 B 215, 10,000Ω.....
271 B 216, 100,000Ω.....

AA 5000 OHM CONTROL

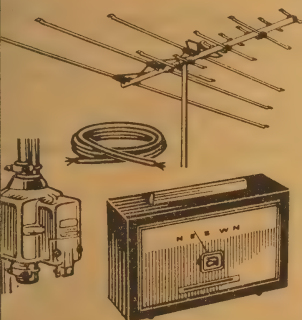
59¢ For Transistor Re

Replacement type with switch. $\frac{3}{8}$ " dia. $\frac{1}{2}$ " dept. diameter knob.
271 B 390, Wt. 2 oz.....

Get Better Reception—and Save—with an Allied Radio Shack UHF-VHF-FM Antenna/Rotator/Accessories Outfit

PICK THE ANTENNA-ROTATOR PACKAGE THAT'S BEST FOR YOU

GOOD! ALLIED "TRU-COLOR" UHF/VHF/FM ANTENNA OUTFIT

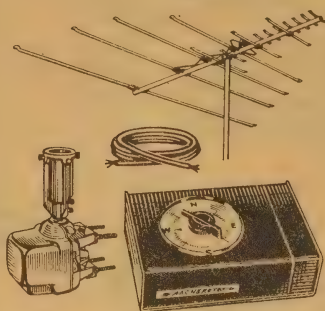


54⁹⁹ Save
\$8.53

Separately, \$63.52. For good fringe area reception, Allied's VU-80 13-element antenna pulls in channels through 83 plus fine FM. Alliance 4-45 manual rotator locks in all color, black and white, FM signals at the touch of the control bar. Completes a full rotation in less than 60 seconds. Comes complete with mounting accessories listed below.

4 B 5806 L2 X W, 3 3/4 lbs.. 54.99

BETTER! ALLIED "TRU-COLOR" UHF/VHF/FM ANTENNA OUTFIT

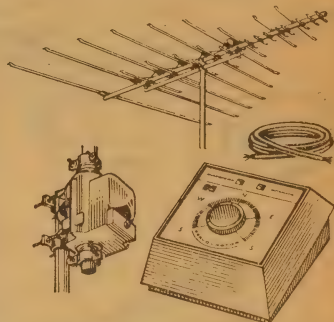


64⁹⁹ Save
\$12.53

Separately, \$77.52. Deluxe antenna outfit. Features Allied VU-105 antenna with 17 elements for vivid color, sharpest black and white reception, great FM. Has heavy-duty 1-inch round boom, 82-channel design. Archer 10-B fully automatic antenna rotator gives you pin-point station location. Complete with mounting accessories listed below.

34 B 5807 L2 U W, 3 5/8 lbs. 64.99

BEST! ALLIED "TRU-COLOR" UHF/VHF/FM ANTENNA OUTFIT



79⁹⁹ Save
\$18.53

Separately, \$98.52. Our finest antenna package value! You get Allied's VU-160 for superb 23-element all channel reception for sharpest UHF/VHF/FM and color reception. Comes completely pre-assembled with gold vinyl finish. Archer automatic Servo-Rotor rotator brings you most accurate 360° antenna rotation. With mounting accessories listed below.

34 B 5808 L2 Z W, 4 2/4 lbs... 79.99

COMPLETE MOUNTING ACCESSORIES INCLUDED WITH ALL ANTENNA SYSTEMS ABOVE



Includes everything you need to install your own antenna. Package contains one heavy-duty 1-piece chimney mount with 12' corrosion-proof stainless steel strap; two 5' fold-galvanized "Lok-Fit" steel antenna masts; one mast snap-on stand-off; one 1 1/2" wood screw-type stand-off; one 3 1/2" wood screw-type stand-off; one 100' supply of 5-conductor cable (for Servo-Rotor) or one 100' supply of 4-conductor cable (for 10-B and T-45 rotors). One 100' supply of low-loss foam 300-ohm antenna cable. All antenna packages complete with easy-to-follow instruction sheet.

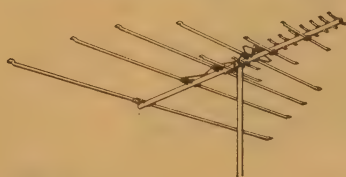
ALLIED SUPER-POWER "TRU-COLOR" UHF-VHF-FM ANTENNAS



19⁹⁵

- VHF... Up to 80 Miles
- UHF... Up to 50 Miles
- FM... Up to 50 Miles
- 13 Active Elements

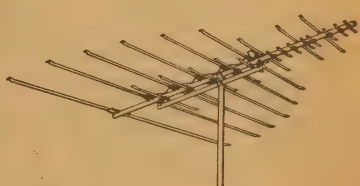
VU-80. Powerful antenna boasts duty 1" round boom, multiple drive with 13 active elements. Just one antenna serves all your needs—VHF channels 13, UHF channels 14-83, and excellent FM. 60" boom. Impedance, 300 ohms. 3025 X W, Shpg. wt. 4 1/2 lbs... 19.95



29⁹⁵

- VHF... Up to 105 Miles
- UHF... Up to 70 Miles
- FM... Up to 70 Miles
- 17 Active Elements

Model VU-105. Receive clear pictures with this fringe area antenna. Delivers high power and flat response from suburban areas. Excellent for FM and stereo FM, too. Gold corodized finish gives you years of trouble-free service. 84" boom. 300 ohms. 15 B 5026 U W, Shpg. wt. 6 lbs.... 29.95



39⁹⁵

- VHF... Up to 150 Miles
- UHF... Up to 90 Miles
- FM... Up to 90 Miles
- 23 Active Elements

Model VU-160. Get the most true-to-life color, sharpest black and white, clearest FM ever! Our finest VHF/UHF/FM antenna features exclusive cradle-mount for extra support, plus special UHF/VHF band splitter, 120" boom, 300 ohms. 15 B 5027 Z W, Shpg. wt. 10 lbs.... 39.95

Archer® "Color Supreme" Series

VHF/UHF/FM Antennas

41⁹⁷

Extreme Fringe 44-Element

34⁹⁷

Medium Fringe 41-Element

26⁹⁷

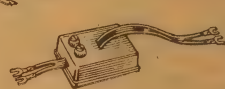
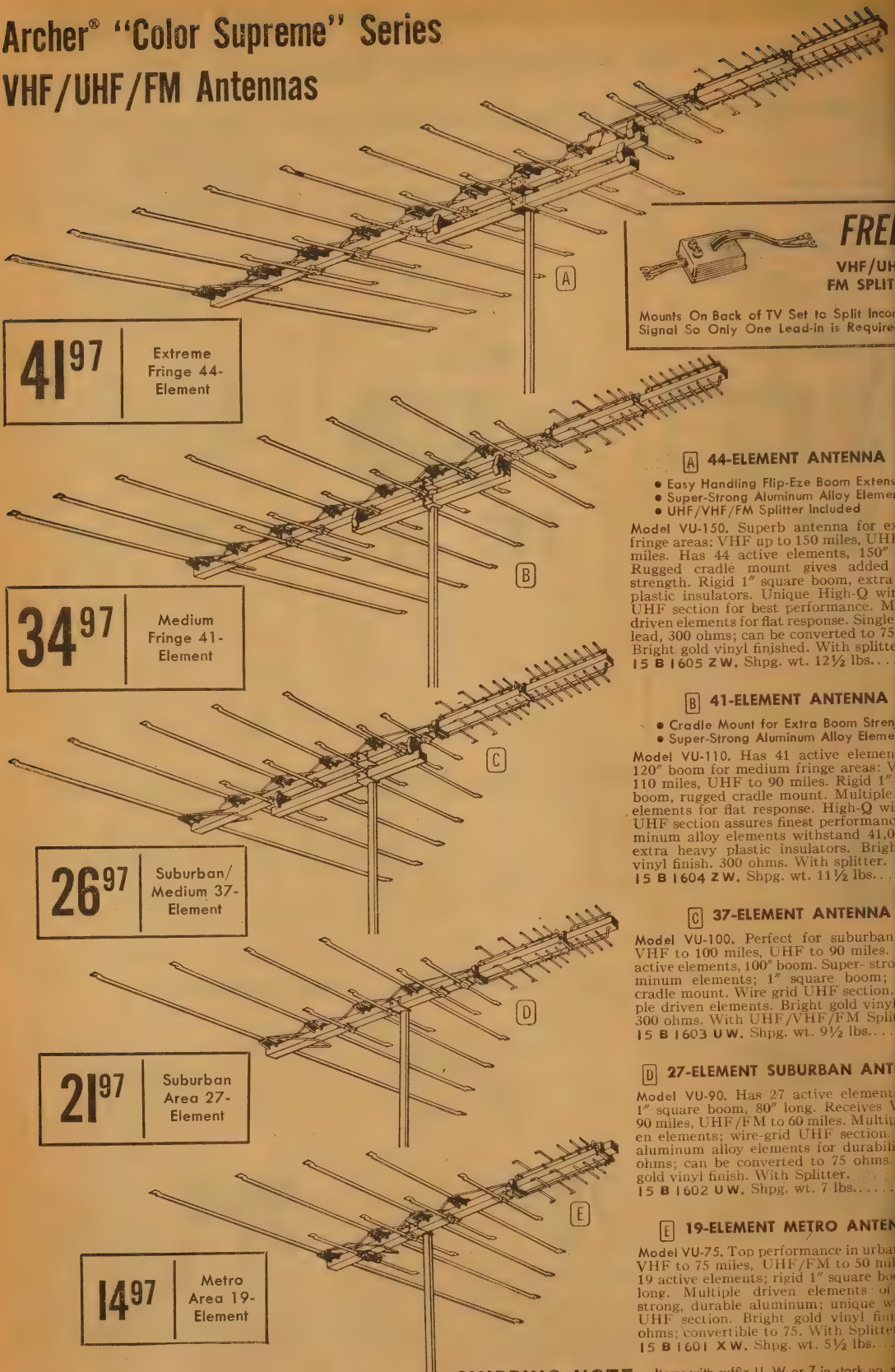
Suburban/Medium 37-Element

21⁹⁷

Suburban Area 27-Element

14⁹⁷

Metro Area 19-Element



FREE
VHF/UHF
FM SPLITTER

Mounts On Back of TV Set to Split Incoming Signal So Only One Lead-in is Required

A 44-ELEMENT ANTENNA

- Easy Handling Flip-Eze Boom Extension
- Super-Strong Aluminum Alloy Elements
- UHF/VHF/FM Splitter Included

Model VU-150. Superb antenna for extreme fringe areas: VHF up to 150 miles, UHF to 110 miles. Has 44 active elements, 150" boom. Rugged cradle mount gives added boom strength. Rigid 1" square boom, extra heavy plastic insulators. Unique High-Q wire driven elements for flat response. Single lead, 300 ohms; can be converted to 75 ohms. Bright gold vinyl finished. With splitter. 15 B 1605 ZW. Shpg. wt. 12 1/2 lbs. . . . 4

B 41-ELEMENT ANTENNA

- Cradle Mount for Extra Boom Strength
- Super-Strong Aluminum Alloy Elements

Model VU-110. Has 41 active elements, 120" boom for medium fringe areas: VHF to 110 miles, UHF to 90 miles. Rigid 1" square boom, rugged cradle mount. Multiple driven elements for flat response. High-Q wire driven elements assures finest performance. Minimum alloy elements withstand 41,000 psi. extra heavy plastic insulators. Bright gold vinyl finish. 300 ohms. With splitter. 15 B 1604 ZW. Shpg. wt. 11 1/2 lbs. . . . 3

C 37-ELEMENT ANTENNA

Model VU-100. Perfect for suburban areas: VHF to 100 miles, UHF to 90 miles. Has 37 active elements, 100" boom. Super-strong minimum elements; 1" square boom; rugged cradle mount. Wire grid UHF section. Multiple driven elements. Bright gold vinyl finish. 300 ohms. With UHF/VHF/FM Splitter. 15 B 1603 UW. Shpg. wt. 9 1/2 lbs. . . . 2

D 27-ELEMENT SUBURBAN ANTENNA

Model VU-90. Has 27 active elements; 1" square boom, 80" long. Receives VHF to 90 miles, UHF/FM to 60 miles. Multiple driven elements; wire-grid UHF section. Strong, durable aluminum; unique wire driven elements for durability. Bright gold vinyl finish. 300 ohms; can be converted to 75 ohms. With splitter. 15 B 1602 UW. Shpg. wt. 7 lbs. . . . 1

E 19-ELEMENT METRO ANTENNA

Model VU-75. Top performance in urban areas: VHF to 75 miles, UHF/FM to 50 miles. 19 active elements; rigid 1" square boom, 60" long. Multiple driven elements of strong, durable aluminum; unique wire driven elements for durability. Bright gold vinyl finish. 300 ohms; convertible to 75 ohms. With Splitter. 15 B 1601 XW. Shpg. wt. 5 1/2 lbs. . . . 0

SHIPPING NOTE - Items with suffix U, W or Z in stock no. ship by air or express. See Ordering Information

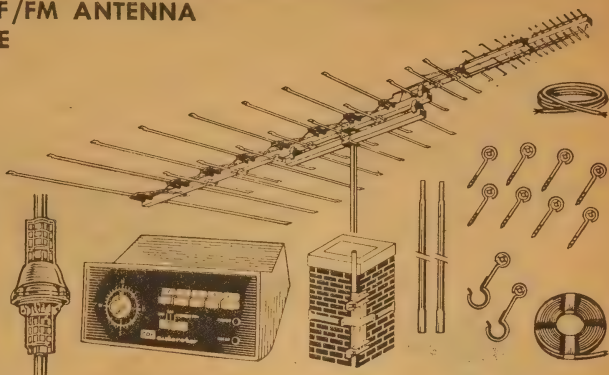
Save Up to \$15.55 on a Complete Antenna/Rotator Package

ARCHER VU-150 44-ELEMENT VHF/UHF/FM ANTENNA ROTATOR AND ACCESSORY PACKAGE

94⁹⁹

Save
\$15.55

separately, \$110.54. Includes the Archer VU-150 44-element antenna for extreme fringe areas, described on preceding page, plus a CDE Model AR-22R Servo Rotator and all accessories for installation. Rotator is fully automatic with pushbutton selection for five stations; has solid-state circuit, compass bearing, $\pm 1\%$ accuracy. Rotator bell housing has ball bearings, high-torque motor. Also includes: Chimney Mount; 100-ft. 5-cond. cable; 100-ft. 300-ohm foam lead-in; two sections 5-ft. "Lok-Fit" mast; two snap-on standoffs; eight screw standoffs. **5801 L22W**. Shpg. wt. 47 $\frac{1}{4}$ lbs. **94.99**

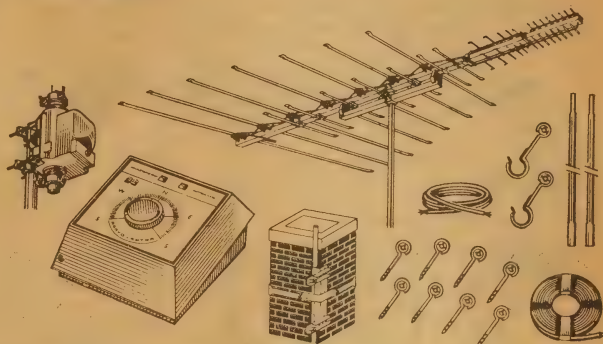


ARCHER VU-110 41-ELEMENT VHF/UHF/FM ANTENNA, ROTATOR AND ACCESSORY PACKAGE

79⁹⁹

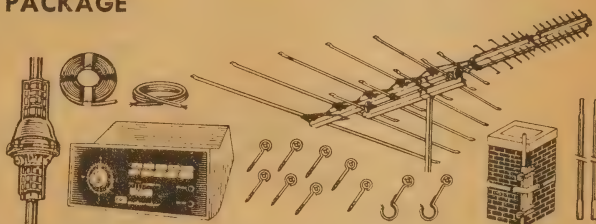
Save
\$13.55

separately, \$93.54. Includes the 41-element antenna described on preceding page, an Archer Servo-Rotator and all accessories for installation. Rotator offers accuracy ($\pm \frac{1}{2}\%$) with fully synchronized automatic operation; powerful brake; high torque clutch; 360° in less than a minute. Solid-state circuit. Rotator unit is 6 $\frac{3}{8}$ x7x3 $\frac{3}{4}$ ". Also includes: Chimney Mount; 100-ft. 5-conductor rotator cable; 100-ft. 300-ohm foam lead-in; two sections 5-ft. "Lok-Fit" mast; two snap-on standoffs; four 7 $\frac{1}{2}$ ", four 3 $\frac{1}{2}$ " standoffs. **5802 L22W**. Shpg. wt. 43 $\frac{3}{4}$ lbs. **79.99**



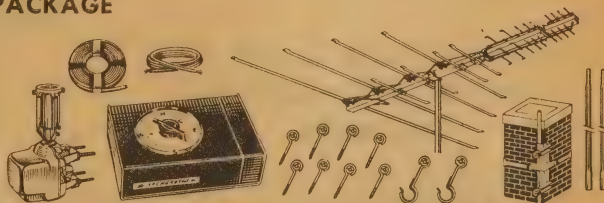
ARCHER VU-100 37-ELEMENT ANTENNA PACKAGE

separately, \$80.54—Save \$7.55. Excellent package for suburban to medium-fringe areas. Includes the Archer VU-100 37-element antenna, a CDE Model AR-22R Servo System, plus all installation accessories. Rotator has simple dial setting for automatic positioning increments; turns 360° in 45 seconds. Precision bearings and gears in die-cast, reinforced bell housing. Also: Heavy-Duty Chimney Mount; 100-ft. 5-conductor rotator cable; 100-ft. 300-ohm foam lead-in; two sections 5-ft. "Lok-Fit" mast; two snap-on and eight screw standoffs. **5803 L22W**. Shpg. wt. 44 $\frac{1}{4}$ lbs. **72.99**



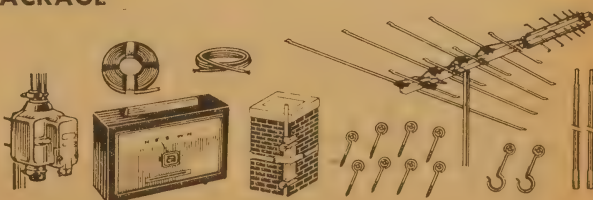
ARCHER VU-90 27-ELEMENT ANTENNA PACKAGE

separately, \$69.54—Save \$5.55. Perfect outfit for suburban areas. Includes Archer VU-100 27-element antenna, Automatic Archerrotator, and all accessories for installation. Rotator operates quickly and accurately, with torque motor and mechanical brake; die-cast zinc housing. Complete package also includes: Heavy-Duty Chimney Mount; 100-ft. 4-conductor rotator cable; 100-ft. 300-ohm foam lead-in; two sections 5-ft. "Lok-Fit" mast; two snap-on and eight screw standoffs. **5804 L2UW**. Shpg. wt. 36 $\frac{3}{4}$ lbs. **63.99**



ARCHER VU-75 19-ELEMENT ANTENNA PACKAGE

separately, \$58.54—Save \$2.55. An excellent system for reception. Includes Archer VU-75 19-element antenna, Alliance Model T-45 Manual Rotator, and all accessories. Just touch the control bar and antenna points at one rpm until you release it—pointer shows on. Rotates clockwise or counter-clockwise. Also includes: Heavy-Duty Chimney Mount; 100-ft. 5-conductor rotator cable; 100-ft. 300-ohm foam lead-in; two sections 5-ft. "Lok-Fit" mast; two snap-on and eight screw standoffs. **5805 L2XW**. Shpg. wt. 35 $\frac{1}{4}$ lbs. **55.99**

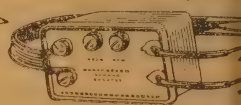


All-Channel VHF-UHF Television and FM Antennas

ARCHER COLOR EAGLE 200

29⁹⁵

FREE! UHF-VHF-FM Splitter



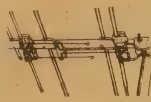
EXTRA FEATURES FOR LONG WEAR



Rust-Proof
Aluminum
Terminals



Crush-Proof
Mast
Clamp



No-Loss
Coupled
VHF/UHF
Sections



All Riveted
Construction



Heavy Insulator
with Snap-lock
Elements



New Stronger
Aluminum

- Self-Locking Snap-Out Elements
- Bright Gold Vinyl Finish
- 8 VHF and 10 UHF Elements
- Only 1 Down Lead Necessary

MODEL VU-140. Deluxe antenna for movie-clear TV picture channels 2 through 83, plus strong, full fidelity FM reception. Features 18 elements for super-powered reception of both and-white and color television transmissions. Extremely high sensitivity factor brings in clear VHF reception up to 140 miles; reception up to 90 miles and FM reception up to 90 miles. 10 UHF elements. Multiple drive system assures flat frequency response. All aluminum construction with gold vinyl finish resists rust and corrosion while providing the excellent conductivity required for superb performance under all conditions. Aluminum terminal points eliminate rusting and consequent loss due to poor down-lead connections. Heavy-duty 1" round boom construction and insulators provide greater weather durability, better performance and longer life. Comes completely pre-assembled for ease of installation. Low-loss coupled UHF and VHF sections. Free UHF/VHF signal splitter included. Less mast, cable, 15 B 1614 2W. Shpg. wt. 7½ lbs.

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ARCHER COLOR EAGLE 110 VHF-UHF TELEVISION/FM ANTENNA

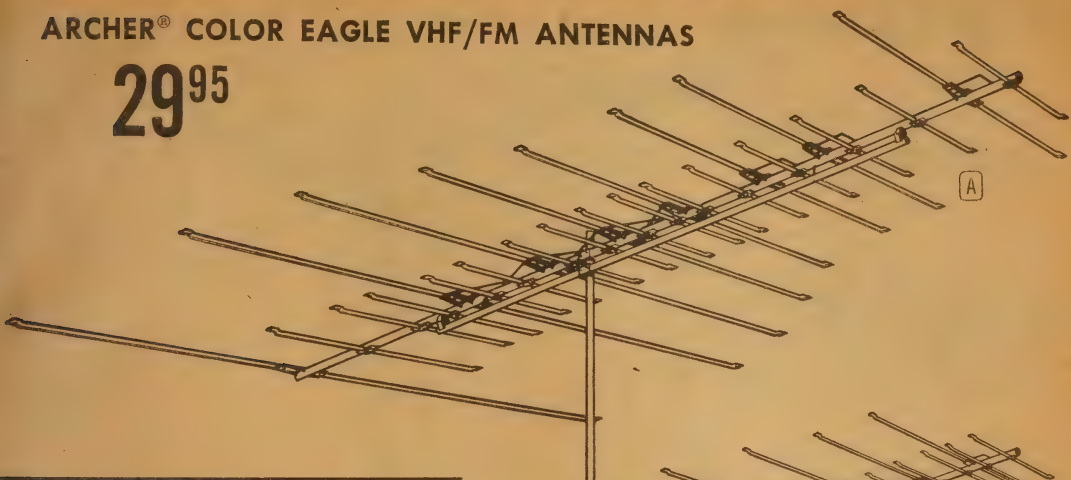
MODEL VU-60. Budget-priced antenna delivers strong, clear TV pictures on channels 2 through 83, as well as clear FM reception. Pulls in VHF up to 60 miles, UHF up to 40 miles and FM up to 40 miles. Features 11 elements—5 VHF and 6 UHF. Multiple drive system assures flat frequency response. All aluminum construction with gold vinyl-clad finish resists rust and corrosion while providing excellent conductivity under all conditions. Aluminum terminal points eliminate rusting and consequent signal loss at down-lead connections. Heavy-duty 1" round boom construction and insulators assure greater weather durability, resulting in better performance and longer life. Completely pre-assembled for ease of installation. Low-loss coupled VHF and UHF sections; self-locking snap-out elements. Boom assembly measures 48". UHF/VHF signal splitter included. Single down-lead for all three signals. Less mast, cable, 15 B 1612 XW. Shpg. wt. 3½ lbs.

- Comes Completely Pre-assembled For Quick Easy Installation Anywhere
- Bright Gold Vinyl Clad Finish For Greater Corrosion and Rust Resistance
- Multiple Drive Systems Assure Flat Frequency Response For Better Reception
- FREE Tuned Coil Splitter Included
- Only One Down Lead Required for Hook-Up

High-Quality VHF Television and FM Antennas

ARCHER® COLOR EAGLE VHF/FM ANTENNAS

29⁹⁵



CHECK THESE EXTRA FEATURES FOR LONG WEAR AND ENDURING HIGH PERFORMANCE



Air-Insulated
Cross-Over
Drive System



Heavy-Duty
High-Impact
Insulators



Rustproof
Terminal
Points



Stronger
Aluminum
Alloy

- Heavy Duty 1" Round Boom Construction for Durability
- Multiple Drive Systems for Flat Frequency Response
- Bright Gold Vinyl-Clad Finish for Corrosion Resistance
- Completely Pre-assembled for Easy Installation

A COLOR EAGLE MARK 23

MODEL V-125. Deluxe VHF/FM antenna for top performance for sharp, clear black-and-white or color TV pictures on Channels 2 through 13 and static-free FM reception. Features 23-element design for flat VHF reception up to 125 miles and FM reception up to 100 miles. Multiple drive systems assure flat frequency response. All aluminum construction with gold vinyl-clad finish resists rust and corrosion while providing excellent conductivity. Aluminum terminal points guard against poor down-lead connections and prevent signal loss. Heavy-duty 1" round boom construction for greater durability and longer life. Comes completely pre-assembled for easy installation. 130" boom. Less mast, cable. 15 B 1623 ZW. Shpg. wt. 10½ lbs. .29.95

B COLOR EAGLE MARK 17

MODEL V-100. Top-performing VHF/FM antenna delivers high-quality black-and-white or color TV pictures as well as static-free FM. 17-element design for VHF reception up to 100 miles and FM up to 90 miles. Multiple drive systems for flat frequency response. All aluminum construction for excellent conductivity and durability. Gold vinyl finish. 1" round boom construction. Self-locking snap-out elements. 84" boom. Less mast, cable. 15 B 1622 UW. Shpg. wt. 7½ lbs. .19.95

D COLOR EAGLE MARK 5

MODEL V-60. Budget-priced VHF/FM antenna gives fine performance up to 60 miles. All aluminum 1" round boom construction

MODEL V-75. Economically priced antenna brings in clear VHF and static-free FM up to 75 miles. 8-element design. Multiple drive systems for flat frequency response. All aluminum construction assures excellent conductivity and durability. Gold vinyl-clad finish resists rust and corrosion. Self-locking snap-out elements. Heavy-duty insulators for greater weather durability. 1" round boom construction. 48" boom. Less mast, cable. 15 B 1621 XW. Shpg. wt. 4½ lbs. .12.95

15 B 1621 XW. Shpg. wt. 4½ lbs. .12.95

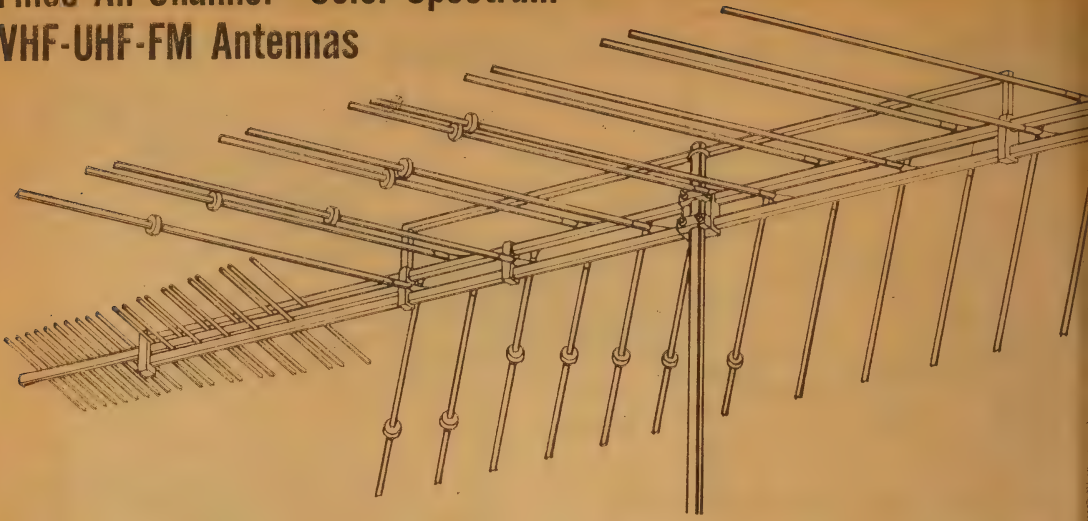
with gold vinyl finish resists rust and corrosion. 40" boom. Less mast, cable. 15 B 1620 XW. Shpg. wt. 3¾ lbs. .7.95

12⁹⁵

7⁹⁵

19⁹⁵

Finco All-Channel "Color Spectrum" VHF-UHF-FM Antennas



SPECIAL FEATURES OF FINCO 70 SERIES VHF-UHF-FM ANTENNA

These antennas combine the qualities of Finco's patented Frequency Dependent principle and new multiple flared boom delta configuration of the 70 series.

The Frequency Dependent concept utilizes increased element spacing toward the high frequency end of the band to assure highest signal pulling power on highest channels where its needed most. Sharp patterns and high front-to-back ratios also result. These qualities are enhanced when applied to the delta configuration of the Color Spectrum 70 Series. Twin flared boom gives improved signal absorption, ghost rejection.

Antennas mount to mast with twin U-bolt assemblies; larger models are supported with full 1" round boom supports. The delta design actually makes antennas easier to install. Gold Corodized, both inside and out, for lasting corrosion protection; made to withstand the most severe weather conditions.

Available in a large range of models to provide the proper combination of VHF-UHF antenna strengths to meet every combination of signal strengths found in every reception area—from near to far-fringe locations.

NEW! FINCO 70 SERIES FREQUENCY DEPENDENT DELTA-DESIGN ANTENNAS

Low
as **23⁹⁷**

- Exclusive Frequency-Dependent and Delta Configuration Design
- Multiple Drive VHF-UHF Sections
- Low Loss 75-Ohm Coax and 300-Ohm Twin-Lead Types
- Isolation Stub Fights Ghosts

75-OHM COAXIAL CABLE "COLOR SPECTRUM" ANTENNAS

New 70 series "Color Spectrum" antennas featuring patented frequency dependent principle for superb reception of color and black-and-white TV. Square twin boom porting multiple driven VHF and frequency phasing elements, are flared into a configuration for improved signal absorption and ghost rejection. Weather-resistant elements of high tensile strength aluminum. Rugged virgin poly insulators. Preassembled snap-out construction. Include coaxial cable connectors, antenna transformer, plus test set transformer/splitter. Require coaxial down lead. Less mast. Shipped truck or express.

Stock No.	Mfr's Type	Elements		Max. Range Miles			Boom Lgth.	Wt., Lbs.
		VHF	UHF	VHF	UHF	FM		
15 B 6003 ZW	CX-70-29B	29	16	190	100	100	195 1/2"	16
15 B 6004 ZW	CX-70-23B	23	15	175	90	85	153 7/8"	13
15 B 6005 ZW	CX-70-23A	31	8	175	65	85	133"	12 1/2
15 B 6006 ZW	CX-70-18B	18	13	150	85	75	119 3/4"	10 3/4
15 B 6007 UW	CX-70-18A	18	7	150	60	75	101 5/8"	9 1/2
15 B 6008 UW	CX-70-12B	12	11	80	75	50	88 5/8"	8 3/4
15 B 6009 UW	CX-70-12A	12	6	80	50	50	73 5/8"	8

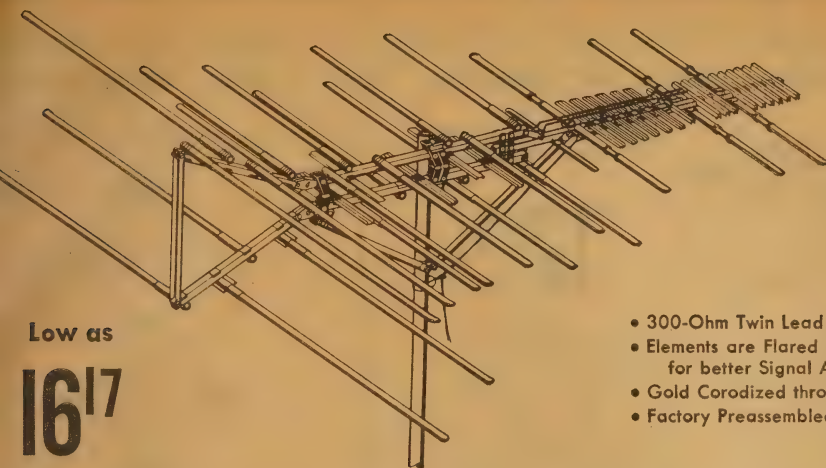
300-OHM VE-LOG "COLOR SPECTRUM" ANTENNAS

You get maximum performance on every channel and on FM with these 70 series antennas. Multiple driven VHF and UHF sections are flared into a delta configuration for excellent signal pulling power, low interference. Isolation stub rejects spurious signals. Weather-resistant aluminum elements. Insulators are of the most rugged virgin poly. Preassembled snap-out construction. Antennas include behind set VHF-UHF splitter. Foam type insulator is recommended.

Stock No.	Mfr's Type	Elements		Max. Range Miles			Boom Lgth.	Wt., Lbs.
		VHF	UHF	VHF	UHF	FM		
15 B 6016 ZW	70-29B	29	16	190	100	100	195 1/2"	16
15 B 6017 ZW	70-23B	23	15	175	90	85	153 7/8"	13
15 B 6018 ZW	70-23A	31	8	175	65	85	133"	12 1/2
15 B 6019 ZW	70-18B	18	13	150	85	75	119 3/4"	10 3/4
15 B 6020 UW	70-18A	18	7	150	60	75	101 5/8"	9 1/2
15 B 6021 UW	70-12B	12	11	80	75	50	88 5/8"	8 3/4
15 B 6022 UW	70-12A	12	6	80	50	50	73 5/8"	8

SHIPPING NOTE: Items with suffix U, W or Z in stock no. ship by air or express. See Ordering Information

Finco "Color Spectrum" VHF-TV/FM Delta-Configuration Antennas



NEW! FINCO 70 SERIES VHF-TV/FM ANTENNAS

Low as

16¹⁷

metropolitan to suburban to deep fringe areas, you get maximum VHF-TV and FM performance with Finco's exclusive Frey-Dependent and delta configuration principles. These principles, with increased element spacing toward the high frequency end of the band, assures the highest signal pulling power on the highest channels and maximum ghost rejection. Designed for extra resistance to severe weather conditions with elements dished and seated in backed-up sure-lock aligning brackets of

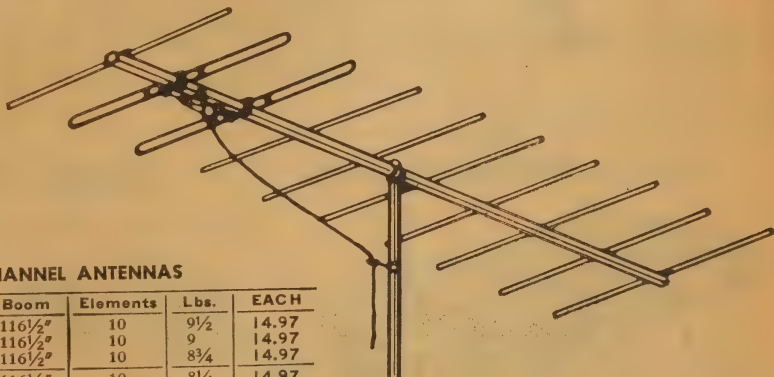
high tensile strength aluminum. Virgin poly insulators. Gold Corodized process, both inside and out, assures lasting protection against corrosion. Preassembled snap-out construction simplifies installation. Choice of range and impedance—standard 300-ohm or low loss 75-ohm. 300-ohm antennas include behind set splitter (foam type lead is recommended); 75-ohm models include coaxial cable connectors, antenna transformer, behind-set transformer/splitter (req. coaxial down lead). Less mast. Truck or express.

- 300-Ohm Twin Lead or 75-Ohm Coaxial Types
- Elements are Flared into Delta Configuration for better Signal Absorption, Ghost Rejection
- Gold Corodized throughout to Fight Corrosion
- Factory Preassembled Snap-Out Construction

75-Ohm Coaxial Cable Color-Spectrum Antennas							300-Ohm Ve-Log Antennas				
Stock No.	Mfr's Type	Elements	TV Range Up to	FM Range Up to	Boom Lgth.	Wt., Lbs.	EACH	Stock No.	Mfr's Type	Elements	EACH
6015 XW	CX-70-V11	11	80	40	49 1/4"	7	20.74	15 B 6023 XW	70-V11	11	16.17
6014 XW	CX-70-V14	14	100	50	68 1/4"	8	25.74	15 B 6024 XW	70-V14	14	20.97
6013 XW	CX-70-V17	17	120	60	69 3/8"	8 1/2	28.74	15 B 6025 XW	70-V17	17	23.97
6012 UW	CX-70-V20	20	150	70	88 3/4"	9 1/2	34.74	15 B 6026 UW	70-V20	20	29.97
6011 ZW	CX-70-V28	28	180	80	149 1/2"	13	49.74	15 B 6027 ZW	70-V28	28	44.97
6010 ZW	CX-70-V35	35	200	95	190"	17	61.74	15 B 6028 ZW	70-V35	35	56.97

SINGLE-CHANNEL VHF YAGI-TYPE ANTENNAS

Low as **5⁵⁵**



LOW BAND SINGLE-CHANNEL ANTENNAS

Stock No.	Model	Channel	Boom	Elements	Lbs.	EACH
B 6106 ZW	102G	2	116 1/2"	10	9 1/2	14.97
B 6107 ZW	103G	3	116 1/2"	10	9	14.97
B 6108 ZW	104G	4	116 1/2"	10	8 3/4	14.97
B 6109 ZW	105G	5	116 1/2"	10	8 1/4	14.97
B 6110 ZW	106G	6	116 1/2"	10	8	14.97

HI BAND SINGLE-CHANNEL ANTENNAS

Stock No.	Model	Channel	Boom	Elements	Lbs.	EACH
B 6099 UW	GSD10-7	7	78"	10	6 3/4	5.55
B 6100 UW	GSD10-8	8	78"	10	6 3/4	5.55
B 6101 UW	GSD10-9	9	78"	10	6 3/4	5.55
B 6102 UW	GSD10-10	10	78"	10	6 3/4	5.55
B 6103 UW	GSD10-11	11	78"	10	6 3/4	5.55
B 6104 UW	GSD10-12	12	78"	10	6 3/4	5.55
B 6105 UW	GSD10-13	13	78"	10	6 3/4	5.55

BROADBAND MULTIPLE CHANNEL ANTENNA

Stock No.	Model	Channels	Boom	Elements	Lbs.	EACH
B 6098 UW	GFTD10	7-13	84"	10	6 1/4	6.95

STACKING KITS

Stock No.	Model	Application	Lbs.	EACH
B 1111 XW	S-1	For stacking 2 same chan. High Band (7-13) ant.	1 1/2	.99
B 1112 XW	S-3	For stacking 2 same chan. Low Band (2-6) ant.	1 3/4	1.89

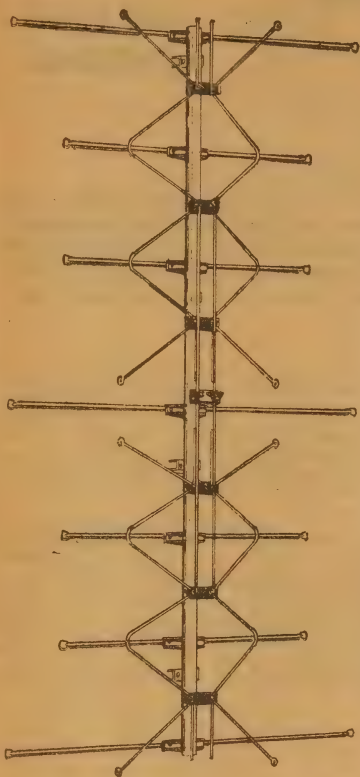
- For Color and Black & White Reception
- Available in Single-Channel or Multiple-Channel Models
- Completely Preassembled with Heavy Aluminum Boom and Snap-Out Brackets
- For Reception Up to 125 Miles
- No Rotator is Necessary
- Perfect for "Problem" Channels

You get quality built into these yagi-type antennas for superior VHF color and black-and-white TV reception in fringe locations. Engineered specifically for maximum gain, clean directivity pattern, flat frequency response and high front-to-back ratio. Gold Corodized finish on heavy aluminum to fight corrosion. Available in single-channel or broad-band models for high (7 through 13) channel. Kits available for stacking two single-band antennas for additional gain and front-to-back ratio. Shipped truck or express.

Your Antenna on Allied Radio Shack's Credit Fund Plan . . see Full Details on Page 331

Allied Radio Shack long-lasting UHF Antennas for clear reception

ARCHER ECONOMY DELUXE UHF ANTENNA



Up to 100 miles of crystal clear reception

12⁹⁵

- Specially designed and engineered for fringe areas
- All aluminum construction for long-lasting dependability

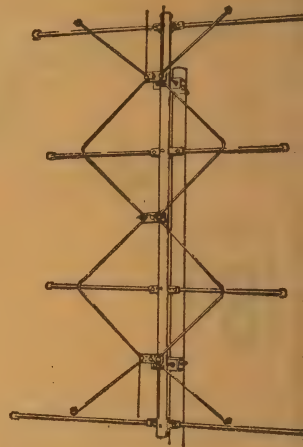
D-8. Specially designed UHF antenna at a budget-pleasing price. Give your set the best reception of any comparable UHF antenna. It's loaded with important design features and extras found only in more expensive UHF antennas.

Up to 37% more gain than comparable antennas. Multi-resonant reflector to capture only the intended frequency. A diamond phased continuous aluminum wire driven element for better frequency response. New high impact plastic insulators. 60" boom. Add all these features together and you have a UHF antenna that gives you life-like color and beautiful resolution in black and white.

Sturdy, weather resistant, all aluminum construction assures long-lasting dependability. Gold-color weather resistant vinyl finish. Wind resilient heavy duty aluminum tubing. Completely pre-assembled for your convenience—just snap elements into place.

15 B 1628 XW. 5½ lbs. 12.95

ARCHER 4-BAY CAPTURE AREA UHF ANTENNA

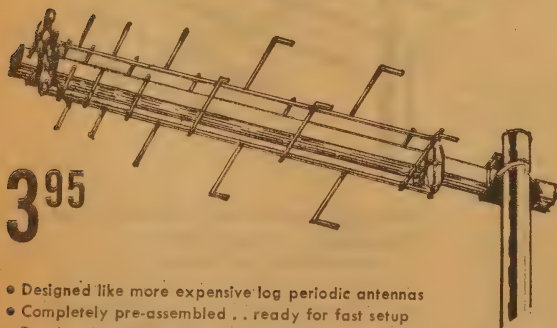


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D-4. Get up to 70 miles reception even in fringe areas. Flat frequency response for channels 14 thru 83 to give your set l color and exciting, deeply contrasting and white. 4-bay capture area . . in the bow-tie design . . assures 360° area with rotator so all UHF channels come in v ghostless, snowless and interference free pletely weather proof and long-lasting. all-aluminum construction—won't rust— ant to rain and snow. Gold-color weather ant finish. Unique heavy duty tubing gi antenna enough resiliency to withstand winds, while not distorting reception. duty insulator. 30" boom. Completel assembled and ready to use.

15 B 1627 XW. Shpg. wt. 2½ lbs.

ARCHER UHF ANTENNA SPECIAL



3⁹⁵

- Designed like more expensive log periodic antennas
- Completely pre-assembled . . ready for fast setup
- Tough gold-color vinyl finish . . weather resistant

Y-11-G. Here's a rock-bottom price on a UHF antenna modeled after the far more expensive log periodic types. Pulls in stations up to 50 miles away . . depending on weather and terrain . . with such crystal clear reception that you'll think the station has moved closer to you! Guaranteed for excellent frequency response for all UHF channels 14 thru 83 (but the performance on channels 50 to 83, the hardest to get, is phenomenal. Much better than most UHF antennas). 1" heavy duty square boom—30" long—for antenna strength. Completely pre-assembled . . so there's no time wasted putting it together. Gold-color bright vinyl finish—wind, rain, snow . . completely weather resistant. Easy to install . . no special tools needed.

15 B 1630 XW. Shpg. wt. 2½ lbs. 3.95

ARCHER ECONOMY UHF ANTENNA

4⁹⁵

- Up to 50 miles reception area
- Constructed of long-lasting aluminum
- Completely pre-assembled for your convenience



CF-100. Allied Radio Shack's economy UHF antenna that c a better picture than most comparable, more expensive UHF nas. We can only make such a deal because we buy these an straight from the manufacturer—thus cutting out middle and passing the savings on to you. Large screen for extra directivity and high gain . . fights ghosts, snow and other an interference. And the multi-resonant driven elements provid frequency response—so channels 14 to 83 come in motion-clear. Guaranteed for either black and white or color. 1 reflector ends and plugged boom ends help cut wind drag to antenna more stable. Constructed of sturdy, weather re aluminum. Completely pre-assembled.

15 B 1629 XW. Shpg. wt. 3 lbs.

Low-Cost Antennas for Lifelike FM and Stereo FM Reception

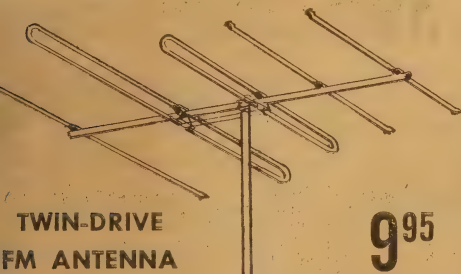
FM ANTENNA
SPECIALLY MADE
FOR CITY USE

8⁹⁵



GFM7K. Allied Radio Shack's economy powerhouse for city or suburban reception where skyscrapers and industrial buildings block out and fade local FM stations. Omnidirectional—pulls in local signals from 360° direction for interference-free reception. Flat frequency response to 108 MHz. Completely pre-assembled—and ready to use. Includes 50' lead-in, 5' tri-pod mount and stand. Gold-color weather-resistant vinyl finish.

15 B 613 X W. Shpg. wt. 4½ lbs. **8.95**

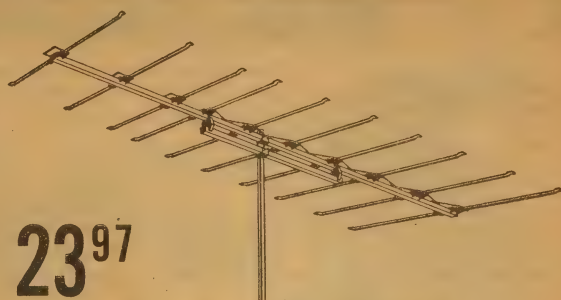


TWIN-DRIVE
FM ANTENNA

9⁹⁵

GFM5. Get up to 110 miles of crystal clear reception with double-drive antenna which assures flat, high gain response—88-108 MHz. 72" boom. Completely pre-assembled—there's no time wasted before setup. Sturdy all snap-connection, heavy duty thick wall aluminum, crush-mast clamp. Gold-color weather-resistant vinyl finish.

15 B 613 X W. Shpg. wt. 4½ lbs. **9.95**



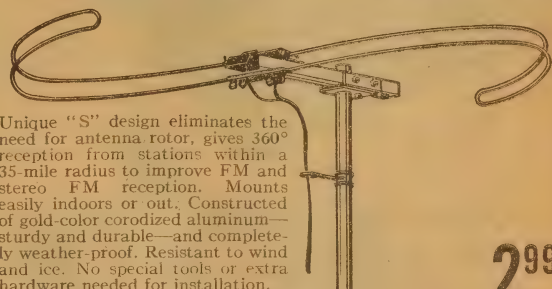
23⁹⁷

OUR DELUXE FM ANTENNA
FOR DEEP FRINGE AREAS

Allied DXFM120. Get the best sound from your FM set, whether monophonic or stereo, with a flat frequency response from this FM antenna that clearly pulls in stations up to 150 miles. Multiple drive system for maximum gain and greater directivity. 10 active elements. 120" boom. Highest front-to-back ratio possible. Heavy aluminum 1" boom. Easy to install cradle mount. Completely pre-assembled. Gold-color vinyl finish—weather resistant.

15 B 6113 U W. Shpg. wt. 8½ lbs. **23.97**

OMNIDIRECTIONAL STEREO-FM ANTENNA



Unique "S" design eliminates the need for antenna rotor, gives 360° reception from stations within a 35-mile radius to improve FM and stereo FM reception. Mounts easily indoors or out. Constructed of gold-color corrodized aluminum—sturdy and durable—and completely weather-proof. Resistant to wind and ice. No special tools or extra hardware needed for installation.

15 B 546 X W. Shpg. wt. 3 lbs. **2.99**

2⁹⁹

FINCO ACCESSORIES FOR BETTER FM RECEPTION

INTERFERENCE FILTER FOR CLEAR RECEPTION

4³⁸

- All installation hardware included
- Eliminates unwanted signals



Model 3007. Listen to virtually interference-free FM. Blocks all signals except 88-108 MHz. Eliminates or reduces TV, CB, Ham and other frequencies to improve FM signal reception. Easily mounted at antenna terminals or receiver. Complete with universal mount and standoff insulator. Size: 4¼x1¾x2". Shpg. wt. 5 oz.

15 B 6047. **4.38**

TV-FM ANTENNA SPLITTER

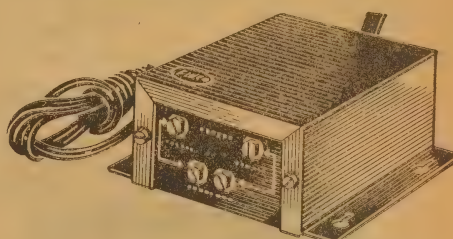
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- Sends FM signals to radio
- Sends TV signals to TV set
- Fast and easy to install



Model 3005. For TV-FM reception from one broad-antenna. Triple-tune band pass filter separates signals. Loss of only 1 dB. Easy to install. Universal mount and standoff insulator. Size: 4¼x1¾x1¾".

15 B 6046. Shpg. wt. 4 oz. **4.10**



INDOOR FM SIGNAL AMPLIFIER

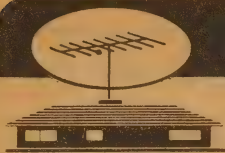
16⁶⁵

- Behind-set mounting
- 20 dB nominal gain
- Passive filter input

Model 65-7. High-gain, low-noise transistorized amplifier has passive filter input circuit that rejects interfering signals outside the FM band. Improves reception of weak FM signals in deep or medium fringe areas, even where strong local signals are present. Also eliminates common overload characteristics. Isolation transformer prevents shock hazard. 300 ohm input with output for one or two FM receivers. 117 VAC. Size: 1¾x4x4½".

15 B 6045. Shpg. wt. 1½ lbs. **16.65**

Tremendously Improved TV Reception at Big-Bargain Prices



Antenna Rotators for Ultra-Clear TV

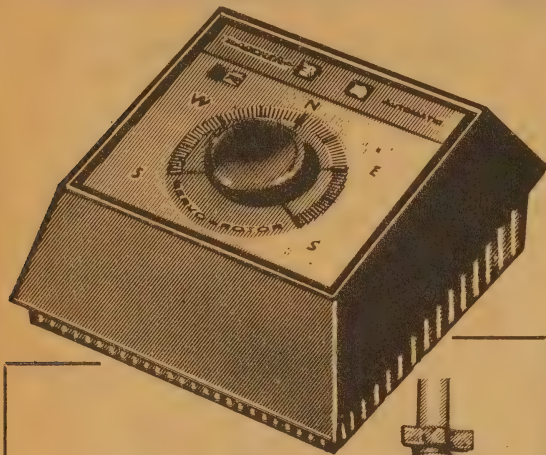
Proper antenna direction is essential for better all-around reception—especially color! Precise directional control gives you the best signal from every station for the clearest picture in all reception areas. Improves stereo FM, too.

Color comes alive with an antenna rotator. Color signals are complex. A perfectly aimed color antenna is the only way to get true-to-life color pictures, free from distortion or unnatural color.

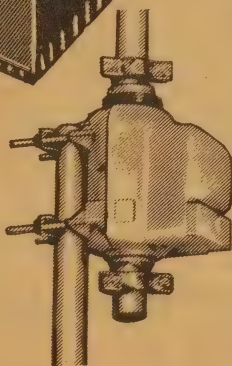
Better color pictures in fringe areas. If you live in an area where reception is poor, you'll be amazed at the difference a rotator can make. Locks in distant stations for maximum signal strength.

Pin-point every TV station for sharper color. Many times a reception area is surrounded by stations. A rotator system pinpoints each one. Pushing a button, or flicking a switch will do it.

Antenna/rotator system for natural color. If your color pictures have ghosts, distortion or smearing; if it doesn't give the type of pictures you think it should, a rotator can be the answer for you.



Corrosion-resistant
die-cast housing and
lifetime-lubricated
bearings give
top performance



ARCHER SERVO-ROTOR™ WITH FULLY-SYNCHRONIZED OPERATION

39⁹⁵

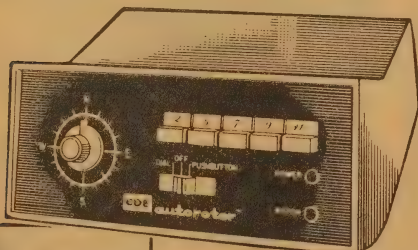
- Powerful Brake Prevents Overshoot
- Turns 360° In Less Than a Minute
- Directionally Accurate to $\pm 0.5\%$

You'll get better reception than ever before whether aligning distant stations or stations in different directions. The Servo-Rotor positions even the largest TV antennas with incredible accuracy—to within $\pm 0.5\%$. Allows you to pinpoint every station in your area for sharp, clear color—a really tremendous improvement for your viewing pleasure. Gives sharper black and white, too—eliminates ghosts, distortion and smearing. Just control knob to any position and the servo motor takes over. High-torque motor with dynamic clutch action easily overcomes wind, ice or unusual stresses to turn a full 360° in less than a minute. Quickly and silently, the antenna is automatically aligning in the best possible signal for your TV or stereo FM.

A ruggedly-constructed device designed to last through years of constant usage. The main drive gear is integrally cast with strength shaft mounted on stainless steel bearings. Positive locking action prevents overshoot and locks the antenna in the correct position to eliminate the possibility of windmilling. Never needing adjustment—positively can't get out of synchronization. A fully-bracketed bridge with solid-state amplifier and control circuit assure superior performance. Uses corrosion-resistant materials exclusively throughout drive unit.

The strong cast-aluminum housing takes 1½" to 2½" Heavy-duty "V" mast clamps prevent slippage in bad weather. Ideal for use with any TV, FM, or CB antenna or with 3-60-Meter "ham" beams. Attractive beige control unit complements any decor. Indicator lights show antenna turning direction. Control unit measures 6¾x3¾". AC. 15 B 1220 XW. Shpg. wt. 12 lbs.

CDE AUTOMATIC ROTATOR SYSTEM WITH PUSHBUTTON CONTROL



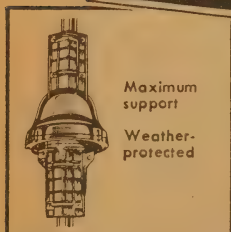
49⁹⁵

- Channels Selected by Pre-set Pushbutton
- Solid-State Control and Amplifier
- Heavy, Weather-Protected Construction

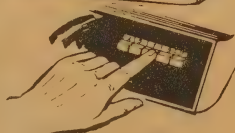
Model AR-33. Fully automatic rotator system for perfect antenna alignment at the touch of a button. Each one of the five pushbuttons can select a specific TV station. When you switch channels on your TV, the corresponding button on the rotator control unit—antenna automatically to the pre-set direction for the finest possible reception. Pinpoint directivity assures true-to-life color and sharper black-and-white. Compass dial allows manual control, too.

All working parts designed for heavy-duty operation and reliable years of service. The all solid-state circuit with rugged transistors gives positive step-less operation. Heavy-duty relay control and thermally-protected transformers give extra-reliable performance. Completely silent—accurately positions antenna within $\pm 1\%$ precise directivity.

Heavy-duty bell-housing rotator has rugged in-line design and thrust bearings for maximum antenna support. Positive-grip design prevents mast slippage. Weather-protected, with low-temperature operation and high-torque motor to handle icing, wind or unusual conditions. Cannot be blown off-station when control is energized. Contemporary styled control unit. For masts 7/8" to 2½" diameter. Requires conductor cable on page 298, U.L. Listed. AC. Shpg. wt. 15 lbs. 15 B 6049 XW.



Maximum
support
Weather-
protected



Solid-state circuit
pushbutton control

Precision Rotators for Best Color and Black-and-White TV

OTHER LOW-PRICED FULLY-AUTOMATIC ANTENNA ROTATOR SYSTEM

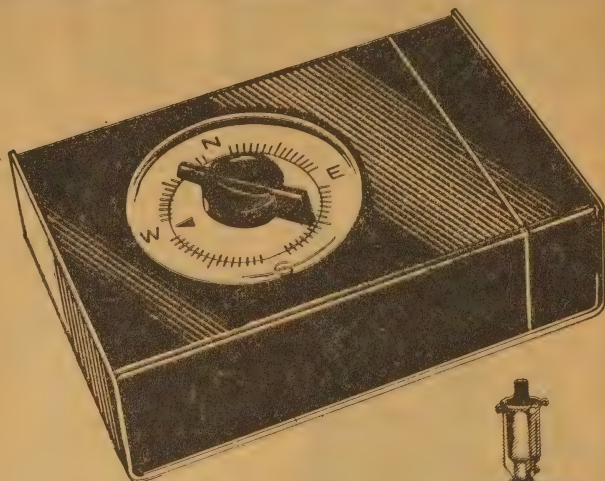
29.95 Enjoy the convenience
of automatic control
at a low, budget price

For the best performance from your TV set with the "rotator" fully-automatic antenna rotator system. Be amazed at the difference this antenna rotator makes if you live in either a fringe reception area or congested reception area. When used with a directional antenna, rotator accurately pinpoints each station for the maximum signal strength and clearest reception. Delivers completely natural and distortion-free and also clear, sharp black-and-white. Simply turn the control knob to direction desired and rotator automatically turns antenna quickly and accurately.

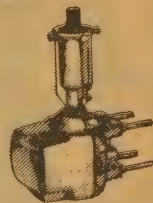
Features die-cast zinc housing and lifetime-lubricated ball bearings for years of reliable service. Control unit and servo-amplifier are completely solid-state. Mechanical brake prevents overshoot and eliminates any possibility of windmilling; once the antenna is positioned, it stays right where it is giving you great reception. Heavy-duty high-torque motor has plenty of power to overcome high winds or icing.

Some vinyl-covered control unit combines quiet operation with efficient function. Built-in stub mast and weather-proofed adapter provide secure, direct, vibration-free mounting for large arrays. Order rotator-inductor connecting cable on page 298. AC. Not checked antennas. Shpg. wt. 10 lbs.

221 XW.....29.95



- Provides Clearer, Sharper TV Pictures
- Beautiful Vinyl-Covered Control Unit
- Weather-Protected Die-Cast Zinc Housing
- Mechanical Brake Locks Antenna in Place



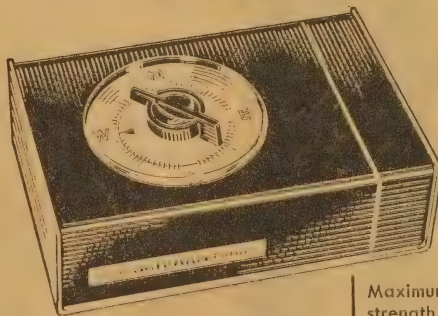
CDE ANTENNA ROTATOR SYSTEM WITH AUTOMATIC CONTROL

36.95 • Magnetic Brake Prevents "Hunting"
• Die-Cast Reinforced Bell Housing
• Completely Solid-State Circuit

Model R-22R. Improve your TV or stereo FM reception with automatic rotator system. A simple dial setting automatically positions your antenna in 6° increments for precision control in the direction of optimum reception for a station and the rotator takes over and turns antenna and accurately to the desired point. Ideal for both fringe and congested reception areas where antenna direction is minimizing interference.

Magnetic brake prevents overtravel and "hunting" effect. Uses ball bearings and gears in a die-cast, reinforced bell housing that's built to withstand years of bad weather. Hand-vinyl-covered control unit is completely solid-state. Re-clamps for masts 1/4" to 2 1/4" diameter. Includes three to provide stability in high winds. Order four-conductor cable on page 298. AC.

250 XW. Shpg. wt. 15 lbs.....36.95



Solid-state control unit is vinyl-covered for beauty and durability

Maximum strength, support

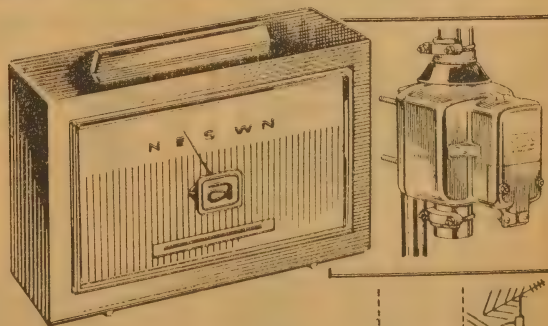


ALLIANCE BUDGET-PRICED MANUAL ANTENNA ROTATOR SYSTEM

49.95 Our lowest-priced, big value
manual antenna rotator system

Model R-45. Just touch the control bar and antenna rotates in direction at one rpm until you release bar—pointer shows direction. Rotates clockwise or counter-clockwise. Is unaffected by motor current, cable length, or line voltage. Order 5-conductor wire on page 298. AC. U.L. Listed. Shpg. wt. 10 lbs.

48 XW.....24.95



ANTENNA THRUST-BEARING BRACKET

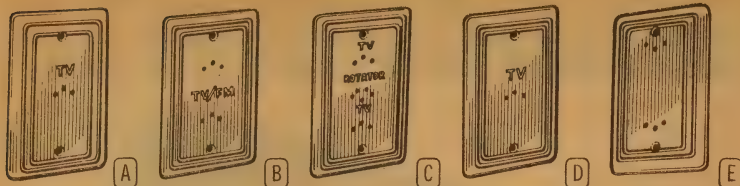
Model TBB2. Eliminates possibility of damage to rotators. Designed for use with heavy antennas. Minimizes strain on rotator by relieving it of antenna's weight. Protects gears against lateral strain. For masts to 1 1/2" dia.

15 B 6040 XW. Shpg. wt. 3 lbs.....2.91



SHIPPING NOTE: Items with suffix U, W or Z in stock no. sent truck or express. See Ordering Information pages.

Shop Allied Radio Shack for Archer TV Accessories



SURFACE AND FLUSH MOUNTING SOCKETS

For VHF, UHF, FM and Rotor connections. For convenience and neatness. Ivory molded polystyrene. Install quickly and easily in or on your wall.

A Single flush mounting for TV or FM installation; 300 ohm without rotor. Constant impedance for stronger signal. With mounting bracket and mating plugs. 15 B 1186. Shpg. wt. 8 oz. 99¢

B Double flush socket for single termination of multiple TV lead-ins. Phosphor bronze contacts for better reliability. Includes 1 plug and mounting hardware. 15 B 1187. Shpg. wt. 8 oz. 1.19

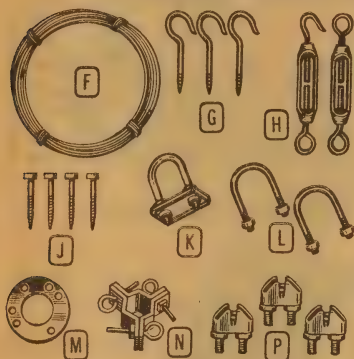
C Combination rotor and two lead-in flush socket. Mtg. bkt. 1 rotor plug for 4 or 5 conductor wire and one 2 wire plug. 15 B 1179. Shpg. wt. 8 oz. 2.99

D Surface mounting single lead-in for use where line cannot be hidden. With plug. Mounts on wall or baseboard. 15 B 1189. Shpg. wt. 8 oz. 89¢

E Surface mounting plate socket accommodates 2 TV or FM lines. No wall opening required. With 1 plug. Great for indoor splitters, amps, or anything requiring two lines. 15 B 1190. Shpg. wt. 8 oz. 1.09

RUGGED GUY WIRE AND GUY WIRE ACCESSORIES

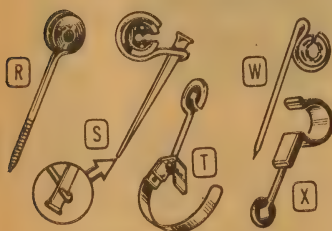
All the accessories you need for a sturdier and more safe installation. Everything needed to put up that new TV or FM antenna and have it work at peak performance.



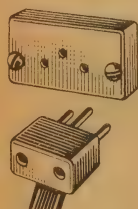
Stock No.	Fig.	Description	Lbs.	EACH
15 B 031	F	100' Galv. Steel Wire	2 1/4	.99
15 B 033	F	40' Aluminum Guy Wire	2	1.19
15 B 037	F	40' Plastic-coated Steel Guy Wire	1	.99
15 B 825	G	3 Guy Wire Anchors	1/2	.39
15 B 829	H	2 Guy Wire Turnbuckles	1/4	.69
15 B 833	J	Set of 4 1/2 x 1 1/2" Slotted Hex Lag Bolts. Heavy Plates for Mounting	1/2	.29
15 B 826	K	U-Bolt and Clamp	1/4	.29
15 B 830	L	2 U-Bolts with Nuts	1/4	.29
15 B 835	M	1 1/4" Guy Ring and Collar	1/4	.39
15 B 827	N	Guy wire Clamp with the Bolts for tightening	1/4	.49
15 B 850	P	3 Guy Wire Cable Clamps	1/4	.99

EASY-TO-INSTALL STAND-OFFS

Use these handy items to keep your lead-in from moving in the wind or rain. These stand-offs prevent cable moving which can cause static on your picture or on your radio. Makes installation much nicer. Gives it that professional look. Av. wt. 6 oz.



Stock No.	Fig.	Description	EACH
15 B 853	R	4-3 1/2" Wood screw	.29
15 B 854	R	4-5 1/2" Wood Screw	.39
15 B 855	R	4-7 1/2" Wood Screw	.49
15 B 820	S	2 Masonry Type	.34
15 B 821	T	2 Nail-in Types	.29
15 B 822	W	2 Snap-On Type	.29
15 B 823	X	2 Strap-On Type	.34



LEAD-IN SOCKET

39¢

Use as line tap or terminal socket. Surface mount. Low loss; constant impedance. Solderless. Phosphate contacts for reliable duty year after year. L mating plug. Makes installations neater. Size, 7/8 x 1 3/4 x 3/16". Shpg. wt. 4 oz.

15 B 1192. 39¢



STAND-OFF INSULATORS

29¢

Fits into any type stand-off. A must for UHF, VHF, FM, or any other balanced transmission line. Completely insulates lead-in wire from the metal of the stand-off. UHF wire held separately with flat wire or rotor cable. Shpg. wt. 8 oz.

15 B 819. Set of Six. 29¢

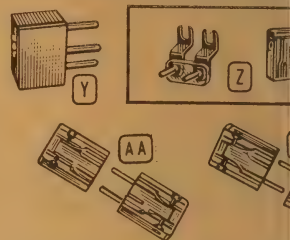
WEATHERPROOF "WALL-T"

29



Simplifies installation for any type Grommet seals out weather on 1/3" thick. Provision for Universal TV (Stock No. 15 B 1192). Inside wall 15 B 1200. Shpg. wt. 1/2 lb.

TRANSMISSION LINE CONNECTORS



A wide selection of solderless plugs and connectors. Specially designed with flat, oval, round, and shielded twin line and multiple conduct cables. Easy to assemble without just strip wires, insert, tighten. All are molded of low loss polystyrene constant impedance. Order now at bargain prices!

Y Wall receptacle plugs—compared to use. Solderless. Mates with all flush sockets. Get yours today! 15 B 1178. Shpg. wt. 2 oz.

Z Input Adapter and Line Socket for TV boosters. Solderless. Adapters. 15 B 1194. Shpg. wt. 2 oz.

AA Transmission Line Plug and Socket for UHF and VHF. Precision molded low loss design for lower signal loss. 15 B 1198. Shpg. wt. 2 oz.

BB Polarized Transmission Line Connector. Solderless. Prevent reversal of when splicing. 15 B 1199. Shpg. wt. 2 oz.

INDOOR TWIN LEAD NAILS



59

Pack of 50 insulated wiring nails for indoor twin lead indoors. Keeps cable position to avoid static on the picture. 15 B 813. Shpg. wt. 12 oz.



3-WAY TV ANTENNA CLIP

39¢ for

For UHF-VHF-FM. Handy clip connects 300 ohm line from TV set to other screw type output or input no screws; no solder needed. Practically makes them a necessity for your use. Great for portable. Made for quick disconnect and hookup. Buy a set for each TV extras.

15 B 832. Shpg. wt. 1/4 lb. 2

Antenna Towers and Installation Accessories

IMPROVE YOUR RECEPTION WITH THE ADDED HEIGHT OF A ROHN TOWER

A ROHN SPAULDING ANTENNA TOWERS

4⁹⁵

ase towers 14 to 55 ft. high. Need e foundation. Set into cylinder base. igh, self-supporting. Assemble on vertically. Special base for quick installation. All riveted 100% gal- el. Top holds any rotor. With base,

adjustable hinge feet, 8 ft. mast and factory assembled 8-ft. tower sections. Buy yours now and save!

Stock No.	Type	Ht.	Sec.	Lbs.	EACH
15 B 6114 ZFX-16CB		23'	2	104	64.95
15 B 6115 ZFX-24CB		31'	3	131	79.95
15 B 6116 ZFX-32CB		39'	4	170	102.95
15 B 6117 ZFX-40CB		47'	5	217	128.95
15 B 6118 ZFX-48CB		55'	6	271	159.95

B HEAVY-DUTY TELESCOPING MASTS

9⁹⁵

- Heavy Gauge Steel
- Sections Interlock
- Heavy Duty Base Mount

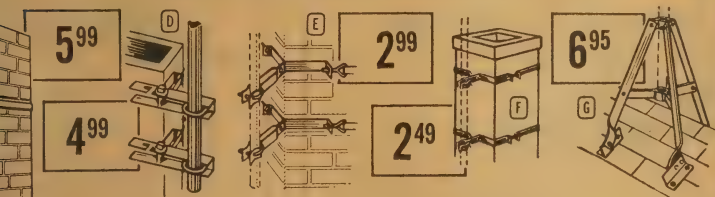
ng eliminates chance of rust. No twisting or shaking due to sturdy interlock. No pulling out of sections. Heavy guy ring prevents tearing of guy double-deck design for twice the

strength and endurance. Husky bolt locks sections securely. Raise your TV or FM antenna higher to get that perfect picture and crystal clear reception needed to give true broadcast performance.

15 B 5065 ZW, 20' Mast, Wt. 15 lbs.	9.95
15 B 5066 ZW, 30' Mast, Wt. 20 lbs.	14.95
15 B 5067 ZW, 40' Mast, Wt. 33 lbs.	19.95

Rohn Spaulding towers are shipped truck F.O.B. Frankfort, Indiana. No C.O.D. orders. Specify full shipping address—no Post Office box numbers. Shipping charges are collected by delivering carrier.

TRIPODS AND ROOF MOUNTS



-DUTY 1-PIECE CHIMNEY MOUNT. nest mount made, 12-gauge main s embossed for greater strength. acket is corrosion proof, galvanized um. Corner bracket also designed 12' stainless steel strap. Shpg. wt. 8 lbs. 5.99

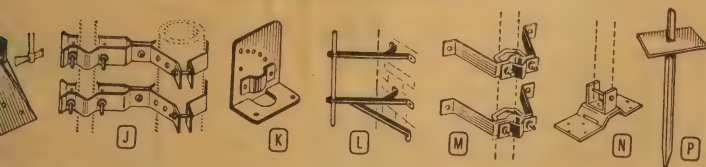
E CHIMNEY MOUNTS. Stainless steel straps 5/8"-10'. Weather resistant. Attaches to chimney with 2 "Y" mounts. 15 B 527. Shpg. wt. 2 1/2 lbs. 2.99

F SET OF 2 "Z" CHIMNEY MOUNTS. Set of 2 "Z" mounts. Each with heavy duty 5/8"-10' galvanized straps. 15 B 476. Shpg. wt. 2 1/2 lbs. 2.49

G 3-FOOT TRIPOD MOUNT. Perfect in high wind areas. No guy wire necessary—pre-assembled mounts. 1 1/4" tubular legs. Accommodates masting up to 1 3/4" diameter. 15 B 516. Shpg. wt. 5 lbs. 6.95

ET CHIMNEY MOUNT. Quality con- on. Designed for easy, quick fast- V or FM antenna mast (1-1 3/4" out- ter) to fit any chimney. Uses stain- straps to eliminate rust. Complete 8' straps. Shpg. wt. 4 lbs. 4.99

WALL, VENT, AND ROOF MOUNTS



ND ROOF MOUNT. Easy one-hand ation. Bring mast to upright posi- automatically locks onto exclusive Heavy gauge steel. Swivel base. Shpg. wt. 2 lbs. 1.99

L PAIR OF 12" WALL MOUNTS. Most secure type. Holds mast 12 inches from wall. 15 B 885. Shpg. wt. 1 1/2 lbs. 2.99

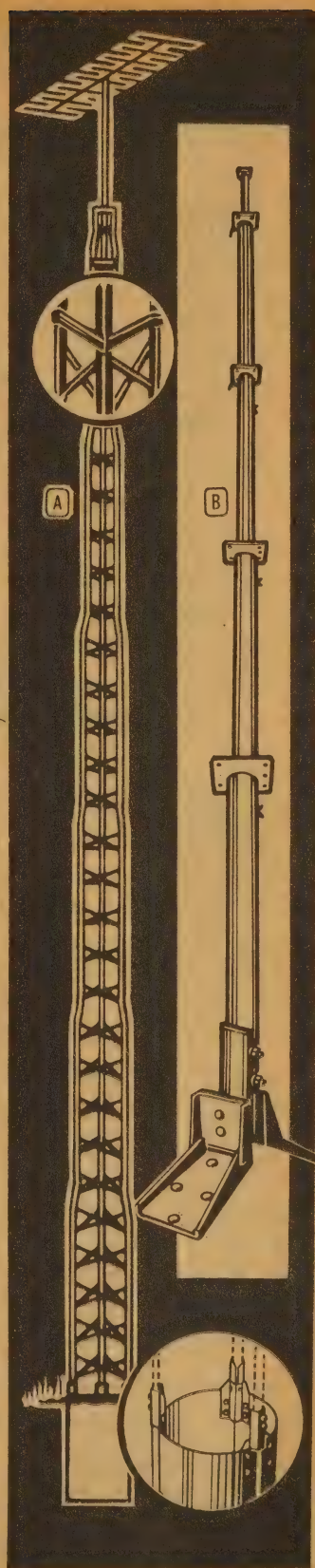
M EASY TO INSTALL 4" WALL MOUNTS. Holds mast 4" from wall. U-bolts grip mast. 15 B 883. Shpg. wt. 1 1/2 lbs. .99¢

N UNIVERSAL MAST BASE. Slip bolt through already drilled hole in all ROHN telescoping masts. Base can be used anywhere. Universal mount for telescoping masts. 15 B 5068 ZW. Shpg. wt. 1/2 lb. 1.95

P GROUND MOUNT. Sturdy, drive-in type ground mount base. For up to 50' masts. 15 B 5069 ZW. Shpg. wt. 1 lb. 2.19

PE MOUNT. The easiest to mount. 6" vent pipe. Great for installations inminy. Simply attach brackets and ast! Shpg. wt. 3 lbs. 2.39

SAL ROOF MOUNT. Adjustable for es of slanted or flat roofs. Perfect ight installations. Budget priced. Shpg. wt. 1/2 lb. .99¢



TV Antenna Accessories for Better Reception



82-CHANNEL 300-OHM SHIELDED TV CABLE

595 50 feet

- Copper Covered Reinforced Wire for Increased Conductance
- Low Loss Foam Encapsulation Maintains Signal Strength
- Dense Polyethylene Jacket Resists Abrasion and Ultraviolet

Improves your television reception on all channels, both VHF and UHF. Gives you all the advantages of coaxial cable plus the convenience of NO TRANSFORMERS and uniform 300-ohm balanced impedance. Delivers clean, ghost-free signal to your color-television set on both the VHF and the UHF bands. Mylar-backed aluminum foil wrap gives 100% shielding from noise pickup and color smear.

15 B 1177, 50' Coax Cable. Shpg. wt. 3 lbs. 5.95
15 B 1176, 100' Coax Cable. Shpg. wt. 5 lbs. 9.95

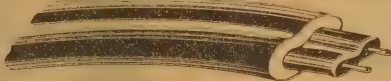
LOW COST, ALL PURPOSE TV-FM TWIN LEAD

15 B 004, Economy Twin Lead, 75 feet, 22 gauge, 40 mil. Wt. 1½ lbs. 99¢
15 B 1158, Clear Twin Lead, 50 feet, 22 gauge. Recommended for indoor use. 99¢

STANDARD GRADE TWIN LEAD

15 B 1153, Twin Lead, 50 feet, 10 strand. Shpg. wt. 1 lb. 1.19
15 B 1154, Twin Lead, 100 feet, 10 strand. Shpg. wt. 2 lbs. 1.99

OUR BEST UHF-VHF 300-OHM TV CABLE FOR SUBURBAN AND FRINGE AREAS



So good we unconditionally guarantee it for 20 years! Excellent for color TV on both UHF and VHF. Features low-loss foam space web, copper-covered reinforced wire for increased conductance of UHF and VHF signals, dense polyethylene jacket that resists abrasion and ultraviolet rays. 20 gauge.

15 B 1174, Twin Foam, 50 feet. Shpg. wt. 3 lbs. 2.59
15 B 1175, Twin Foam, 100 feet. Shpg. wt. 5 lbs. 4.99

ECONOMY LOW-LOSS FOAM 300-OHM WIRE

Similar in construction to the above, but 22-gauge copper-core reinforced conductor.

15 B 1202, 50-foot Foam 300-Ohm Wire. Shpg. wt. 3 lbs. 1.99
15 B 1203, 100-foot Foam 300-Ohm Wire. Shpg. wt. 5 lbs. 3.59

COLOR MATCHING KIT FOR UHF-VHF-FM

397 • Eliminates Fading and Ghosts
• Transformers Match Antenna to Coax Cable for Best Reception



Don't be satisfied with anything but the best color TV reception, plus excellent black-and-white. Get a good, strong signal to your set, eliminate ghosts with consequent fuzzy, distorted picture. Get the best in stereo FM reception, too—a good signal is vital to achieving top performance of your FM system. Special transformers convert your 300-ohm antenna system to 75-ohm coax-cable system; installation-proven in commercial color reception systems. Improves reception of color, black-and-white television and stereo FM. One transformer attaches to antenna terminals, the other attaches to coaxial cable down-lead at color TV set. Use with coax cable below for amazing, true color.

15 B 1529, Shpg. wt. 1 lb. 3.97



82-CHANNEL FOAM COAX DOWNLEAD



Screws into matching transformers above. Delivers high signal achieved by 300-ohm line, but provides the shielding protection of RGT9U. Gives an excellent signal on all television channels, both UHF and VHF.

Shielding protects against signal pickup by downlead itself, eliminating interference and degrading of signals.

15 B 1526, 50-ft. Foam Coax. Wt. 3 lbs. 4.97
15 B 1527, 100-ft. Foam Coax. Wt. 5 lbs. 8.97



100-FT. HEAVY-DUTY 20-GAUGE ROTOR

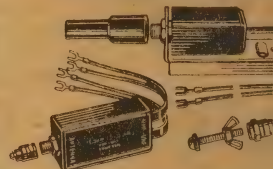
Use 4-conductor cable for Archerrotor (15 B 1229), 5-cond. cable for Rotor (15 B 1220, page 2). 15 B 1152, 4-Conductor 15 B 1201, 5-Conductor

TELEVISION CHEATER CO



A "must" for service work. Has 16-ft., 2-conductor cord with molex connector. Fits all standard receptacles. Value at this low, low price. 15 B 011, Shpg. wt. ½ lb.

75-OHM CABLE CONVERSION KIT



595

- Improves Reception
- For Colorset Antennas
- Easy to Install

Convert Colorset Series 300-ohm antennas to use 75-ohm coaxial downlead for improved reception. Get more signal, better picture. Includes 75-ohm transformer mounts in pre-punched holes on set antennas. Behind-set transformer matches 75-ohm coax downlead splits UHF and VHF for standard 300-ohm terminals.

15 B 6029, Shpg. wt. 1 lb.

UHF-VHF-FM SPLITTER-CO



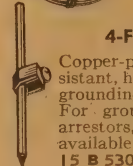
For Colorset Series antennas on UHF-VHF-FM antennas using cable downlead. "Splits" signal from antenna to permit running independent leads to UHF and VHF TV sets and to FM-receiver terminals. Separate leads are necessary for proper matching of these terminals antenna downlead. Comes complete with instructions and hardware.

15 B 6030, Shpg. wt. 5 oz.



40-FT. ALUMINUM GROUND WIRE

High quality #8 wire at a low, low price. 15 B 035, Wt. ½ lb.



4-FOOT GROUND ROD

Copper-plated ground rod, resistant, highly conductive. Good grounding medium of low resistance. For grounding antennas, arrestors, etc. when water is available.

15 B 530, Shpg. wt. 2 lbs.

Values in Antenna Couplers and other TV Accessories

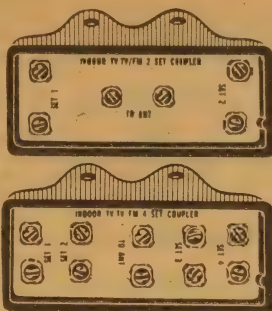
USE 2, 3, 4 UHF/VHF-TV OR FM SETS ON ONE ANTENNA

2-Set | 49 4-Set | 99

... Easily and Quickly on the Back of Any TV Set
... High Signal Isolation... Low Splitting Loss
... Interaction Between Sets... Gives Good Picture

... Don't put up another antenna—use the one
... got for those extra TV sets. Signal splitter lets
... 2, 3, or 4 sets to the same antenna quickly,
... easily—and you'll get the same good picture
... and. High isolation prevents interaction between
... so connect as many FM sets to your antenna.
... strong signal areas.

15 B 101, 2-Set Coupler, Shpg. wt. ½ lb..... 1.49
15 B 102, 4-Set Coupler, Shpg. wt. ½ lb..... 1.99



DELUXE INDOOR/OUTDOOR UHF-VHF-FM COUPLERS

249

- Saves You the Installation of Another Antenna
- High Isolation Against Interaction
- Gives Excellent Reception of Picture, Sound

ARCHER. Operate two sets from a single antenna without interaction between sets and with equally good reception at each set. Use with television sets as well as FM sets. Rugged, heavy-duty model mounts as well outdoors as in. Can also be used to combine the outputs of any two VHF or UHF/VHF antennas into one download. Eliminates complicated signal-losing wiring setups. Highly efficient.

15 B 1135, Shpg. wt. 1 lb..... 2.49

349

- Connect up to Four Sets to One Antenna
- Gives Good Reception at Each of the Four Sets
- Provides Excellent Isolation Between Sets

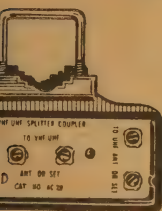
ARCHER. Heavy-duty coupler is ideal for motels, schools, and multi-antenna installations in fringe areas. Couples and isolates up to four sets, using only one antenna. Can also be used to combine the outputs of any combination of three VHF/UHF antennas into one download. Great for color or black-and-white TV. Weatherproof.

15 B 1136, Shpg. wt. 1 lb..... 3.49

INDOOR UHF-VHF-FM SIGNAL SPLITTER SPLITS SIGNALS FROM SINGLE DOWNLOAD

... Get a lead-in for each band of your UHF/VHF televi-
... t and one for your FM set from your 300-ohm single-
... lead antenna. Splits UHF/VHF/FM signals into separate
... s for individual UHF, VHF, and FM twin leads. Insta-
... adhesive mounts splitter easily behind your set.

15 B 1138, Shpg. wt. 1 lb..... 2.79



UHF/VHF SPLITTER-COUPLER-COMBINER

299

- Combines UHF, VHF Downloads
- Split Signals from Single Lead-ins
- Can Be Used Indoors or Outdoors

ARCHER. Ideal for adding a UHF antenna to your VHF installation. Mount one unit on mast and one at the set to combine a single download from UHF and VHF antennas. Can also be used individually with single-download, all-channel antennas to split the UHF/VHF signal.

15 B 1137, Shpg. wt. ½ lb..... 2.99

VOKAR VIBRATORS

15

... auto-radio vibrators for
... replacement use. Long-life
... improve performance. Three

Shpg. wt. 8 oz.
15 B 6033, NP-42V, 6V, 4 pins. 2.15
15 B 6034, NP-7V, 12V, 3 pins. 2.15
15 B 6035, NP-42V, 12V, 4 pins. 2.15



TV NOISE TRAPPER PLUGS INTO OUTLET

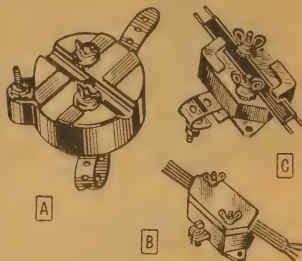
99¢

Stops noise from neon signs, airplanes, and other man-made sources. Just plug the Noise Trapper in AC wall outlet and plug your TV set into the trapper. The difference in performance will amaze you. No need to put up with streaked pictures and other forms of picture degradation.

15 B 583, Shpg. wt. ¼ lb..... 99¢



LIGHTNING ARRESTORS FOR PROTECTION OF EQUIPMENT



- Protects TV Set and Rotor
Against Lightning Damage
- Ends TV Picture "Noise"
Due to Static Charges

A Economy UHF-VHF Model. Low-cost TV protection indoors or out. With all mounting hardware.

15 B 911, Shpg. wt. ¼ lb..... .99¢

B Heavy-Duty UHF-VHF Model. For heavy-gauge leads. Can't snap out.

15 B 912, Shpg. wt. ¼ lb..... 1.89

C Rotor Arrestor. For completely safe four-wire installations.

15 B 914, Shpg. wt. ¼ lb..... 1.89

C Rotor Arrestor. Similar to above, but for five-wire installations.

15 B 6031, Shpg. wt. ¼ lb..... 2.79

G-C ELECTRON TUBE SAVER

525



- Stops Damaging Voltage Surges to Tubes
- Easy to Use—Installs in Just a Few Minutes
- Handles Equipment up to 400 Watts

Model 25-900. Protects critical electron tubes in color TV receivers. Stops damaging voltage surges to protect tubes in all sorts of electronic devices—radios, TV's, hi-fi systems, etc. Easy to use, installs in just a few minutes. Simply plug device to be protected into tube saver, then plug tube saver into outlet. 2 3/4 x 2 1/2 x 1 1/4". AC/DC.

15 B 6032, Shpg. wt. 7 oz..... 5.25

TV TUBE PROTECTOR PLUGS INTO AC OUTLET

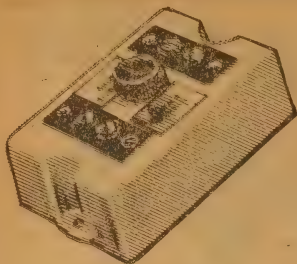
199



Extend life of tubes in your television receiver... prevent them from burning out because of line-voltage surges. TV tube protector has built-in electronic thermistor that blocks sudden surges of current when TV set is turned on. Prevents overload of equipment as well as reducing tube burnouts. Gives better equipment performance.

15 B 584, Shpg. wt. ¼ lb..... 1.99

Radio-TV Accessories and Servicing Aids

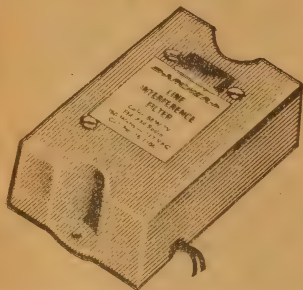


COLOR TV "GHOST" ELIMINATOR

399 Improves Your TV
Picture Quality

ARCHER. Eliminates bothersome TV "ghosts," once and for all. This eliminator also sharpens color picture tone and reduces interference from powerful radio and TV transmitters nearby. Adjusts to all channels, VHF and UHF. Installs quickly, easily.

15 B 1114, Shpg. wt. 1/4 lb. 3.99

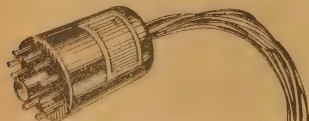


LINE INTERFERENCE FILTER

399 For color, black and
white TV picture

Eliminates or reduces AC line interference caused by electrical appliances, airplanes, amateur radio, etc. Heavy-duty double PI filter. Plug-in installation.

15 B 1106, Shpg. wt. 1/2 lb. 3.99



ARCHER TELEVISION PICTURE TUBE BRIGHTENERS

Universal picture tube brighteners are specially designed and engineered to perform where other makes fail. Renew brilliance, contrast, sharpness and detail of your picture tube and prolong its life. Require no special knowledge, soldering or wiring to install. May be installed easily and quickly—all you do is plug in. For AC.

FOR BLACK AND WHITE TV SETS

A DUODECAL BASE. For standard size 12-pin tubes.

15 B 637, Parallel or Series. 1.59

B 110° RCA WITH BUTTON BASE. Smallest size wire pins.

15 B 639, Parallel or Series. 1.99

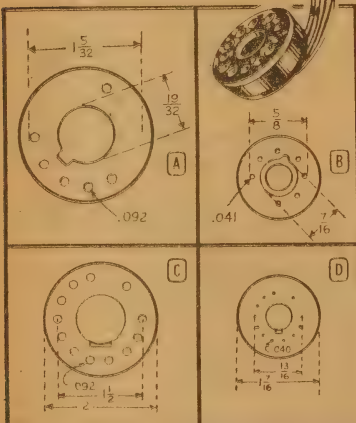
FOR COLOR TV SETS

C 70° SHELL BASE. For round color tubes.

15 B 641. 5.95

D 90° SHELL BASE. For rectangular color tubes.

15 B 642. 6.95



LOW-COST TV INTERFERENCE FILTER

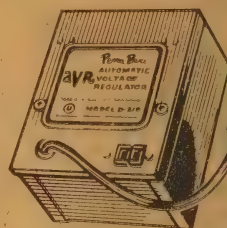
149

- Fast, Easy Hook Up
- Highly Efficient

End "snow" and interference from airplanes, neon signs, hold appliances, etc. For quick and easy. For makes. Shpg. wt. 1/4 lb.

15 B 582.

PERMA-POWER REGULATORS



- For TV Sets, Hi-Fi Equipment, etc.
- Eliminates TV Picture Shrinkage
- Boosts Voltage 10 V Automatic

MODEL D210. Automatic regulator maintains normal operating voltage for hi-fi systems, similar equipment, useful where line voltage is low. Improves television reception, eliminating picture shrinkage, flares, wow, less of brightness due to low. Especially recommended for color. Automatically boosts voltage 10 volt capacity. Turns on and off with line. Measures 4 1/4 x 4 1/4 x 2 1/4". S 2 1/2 lbs.

15 B 6094.

LOW-POWER VOLTAGE REGULATOR

**300
WATT 825**

MODEL D200. Performs the same as above, but rated for 300-watt for less than heavy-duty applications. Shpg. wt. 2 1/4 lbs.

15 B 6093.



VHF/UHF TV RECEPTION CLARIFIER

595

Installs in
60 seconds

Handy device improves reception by amplifying the pickup power of your antenna. 12 position switch selects clearest picture. With 5' twinline. U.L. Listed. AC or DC.

15 B 6095, Shpg. wt. 2 1/4 lbs. 5.95



CRT EXTENSION HARNESS

480

Makes Tube-
Testing Easy

MODEL EBY-K-302. Expedites testing of any black-and-white picture tube. Consists of 3-ft. anode extension harness, ft. CRT socket harness designed for both electrostatic magnetic tubes. 3-ft. octal yoke harness.

15 B 6096, Shpg. wt. 10 oz.

Add a Solid-State UHF Converter for All Signal Areas

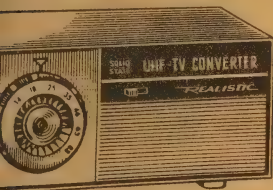


UHF CONVERTER FOR PRIME SIGNAL AREAS

1397

You can enjoy all available UHF broadcasts at an available low price! Lets you tune channels 14 through 83 on TV. Cordless operation. Features exclusive tunnel circuitry for unbeatable reliability. Specially designed antenna minimizes tuning problems. Complete with wire-antenna for excellent reception. Takes one "D" cell (order below).

128. Shpg. wt. 3 lbs. 13.97
66. "D" Cell Battery 19¢

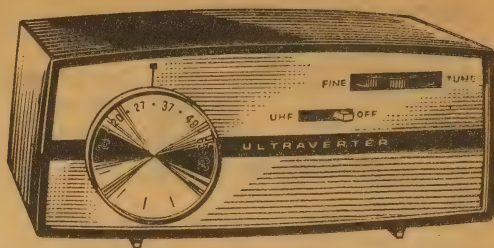


UHF CONVERTER FOR PRIME AND MEDIUM AREAS

1995

ate converter meets all the critical requirements of UHF color reception in all prime and medium areas. 0-channel UHF tuning to VHF set, dials just like a. Exclusively designed circuit gives highest reliability, performance. Highly selective tuner RF stage minimizes e tuning problems, allowing on drift or distortion. nance is excellent on all channels from 14 to 83. Prood reception even in fringe areas. With UHF wire-tenna. AC.

126. Shpg. wt. 3 lbs. 19.95



DELUXE TWO-TRANSISTOR UHF CONVERTER-BOOSTER

3395

- Calibrated Dual-Speed Vernier Dial
- Powerful Low-Noise Amplifier
- Tunes All 70 UHF Channels

Solid-state converter lets you tune all 70 UHF channels, with boost-er amplifier for good reception, even in fringe areas. Specially de-signed two-transistor circuit has ultra-high signal-to-noise ratio for razor-sharp, crystal clear pictures and static-free sound. Provides excellent color as well as standard black and white pictures. Cali-brated dual speed vernier dial with 100:1 ratio to zero-in on any of all available channels.

Double tuned UHF input circuits and shielded oscillators insure interference-free reception. TV performance is uniformly good on each and every channel from 4 through 83—even on higher chan-nels where other standard converters perform poorly. Powerful low-noise amplifier removes annoying snow and ghosts for consistent true-to-life viewing.

Balanced 300-ohm input and output. Stripless screw terminals, pilot light. Comes complete with wire-loop antenna. Installs in minutes, using only a screwdriver. With easy-to-follow instructions. Measures 3x6 $\frac{1}{4}$ x3 $\frac{3}{4}$ ", U.L. Listed. For 110-120V, 60 Hz AC. Shpg. wt. 3 lbs.

15 B 6119 33.95

JFD ANTENNA AMPLIFIERS AND PROGRAM CENTERS



"SNOW FLOW" SOLID-STATE MAST-MOUNT AMPLIFIERS

149 **3298** **3298**
HF/FM VHF TV UHF TV

SP-2382CD. Offers bright, sharp HF color or black-and-white TV; FM reception. 3-silicon transistor load" design—12 dB VHF gain; 14 F; 12 dB FM. 300 ohm input, one m output. Weather and lightning amplifier mounts on antenna highest S/N ratio. No-strip termi-plative mounting. Compact power splitter mounts near TV set. Pre-2x2x3 $\frac{1}{2}$ ". Power supply, 5 $\frac{1}{2}$ x3 $\frac{1}{2}$ x. Shpg. wt. 5 lbs.

51. 41.49

SP-2300CD. VHF mast-mounted r increases picture clarity on chan-3; reduces ghosts, snow and inter-Weather and lightning protected. e features as SP-2382 above. 14 dB C. Shpg. wt. 5 lbs.

55. 32.98

SP-2314. UHF-only amplifier offers, B gain on channels 14 through 83. ically improves overall performance UHF antenna. Specially designed ypass filter reduces interference. ther features similar to Model SP-C. Shpg. wt. 5 lbs.

52. 32.98

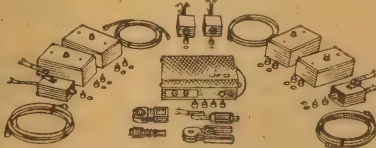
TV/FM PROGRAM CENTER KITS

- 4 TV, FM Outputs
- Installs Anywhere
- Easy Instructions



Now you can operate up to four television sets with different programs on all available chan-nels, plus a stereophonic or monophonic receiver FM—using only one antenna. Simple to install—may be mounted anywhere—no special knowledge necessary. All you do is plug in each set. All Program Centers are described at right.

300-OHM SYSTEM



MODEL HS-41-300. For medium-fringe areas. Covers VHF-UHF-TV, plus FM. Includes PC-4382 Solid-State Indoor Amplifier/Splitter, four SS21 UHF/VHF Signal Splitters, four TT3030 Wall Plates. Gain: UHF, 16 dB; UHF, 6.5 dB; FM, 6 dB. 300-ohm impedance. 3-transistor amplifier circuit. Amplifier measures 6 $\frac{1}{2}$ x3 $\frac{1}{2}$ x2". For 110-130 V, 60 Hz AC.

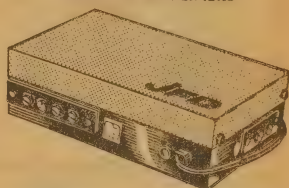
15 B 6056. Shpg. wt. 3 lbs. 48.49

75-OHM SYSTEM

MODEL HS41-75. Features 300-ohm to 75-ohm antenna matching transformer. PC-4782-CD program center, VHF/UHF/FM matching transformer/splitters, wall plates, receptacle housings. Installs easily anywhere. AC. Shpg. wt. 6 lbs.

15 B 6057 67.98

INDOOR AMPLIFIERS



MODEL PC4382CD DIRECTOR-82 UHF-VHF-FM. All-channel solid-state an-tenna amplifier significantly im-proves your reception on UHF and VHF channels 2 through 83, plus stereo FM. Can be installed any-where. Specially designed "Never-load" silicon transistor brings you broadband performance. 4-output splitter network; 6 dB gain per output. 300-ohm inputs to 300-ohm outputs. Measures 5 $\frac{1}{2}$ x3 $\frac{1}{2}$ x1 $\frac{1}{4}$ ". For AC. Shpg. wt. 2 lbs.

15 B 6053 29.98

MODEL PC4782-CD PRODUCER-82 UHF-VHF-FM. Similar to above model, but uses matching trans-formers for 75 or 300-ohm input, and four 75-ohm outputs. Gives you superb black-and-white and outstanding color reception. For AC. Shpg. wt. 2 lbs.

15 B 6058 32.49

MODEL PC4312-CD DIRECTOR-12 VHF-FM ONLY. Essentially same fea-tures as Model PC4382-CD but specifically intended for channels 2-13. Excellent for color TV rec-ep-tion. Can be mounted anywhere. 300-ohm. 2 lbs.

15 B 6054 21.49

Blonder-Tongue Lightning-Protected Antenna Amplifiers

INDOOR DISTRIBUTION AMPLIFIERS



DA4 U/V-300
All-Channel
4142

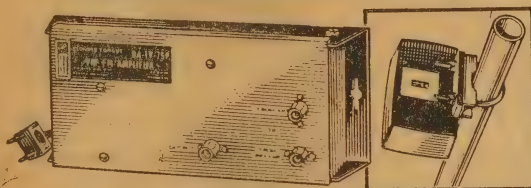
4-SET DISTRIBUTION VHF-UHF-FM AMPLIFIER

DA4 U/V-300. Use up to four sets with a single antenna, both UHF and VHF plus FM. Reliable solid-state circuit gives maximum signal-to-noise for snow-free pictures, both color and black-and-white. Will not overload in strong signal areas, up to 0.2 volt. Flat response, high gain, excellent output isolation. Has 3 silicon transistors. Self-contained power supply. Single 300-ohm input, 4 combined UHF/VHF outputs. For TV channels 2 to 83 plus FM. Stripless screw terminals. $8\frac{1}{4} \times 3\frac{1}{4} \times 1\frac{1}{8}$ ". For 110-120 volts, 60 Hz AC. 2 lbs. 15 B 6059.....41.42

VHF/FM 4-SET DISTRIBUTION AMPLIFIER

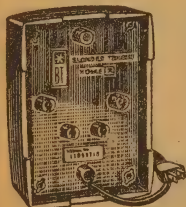
DA-4V-300. Same as 4572, but with two transistors for VHF TV channels 2-13, FM band only. 300-ohm. $8\frac{1}{4} \times 3\frac{1}{4} \times 1\frac{1}{8}$ ". For 110-120 volts, 60 Hz AC. Shpg. wt. 2 lbs. 15 B 6060.....18.12
15 B 6061. DA-4V-75. Above, but 75 ohms. "F" connectors supplied.....21.80

MAST MOUNT AND INSIDE AMPLIFIER



AB-30. Solid-state, 30 dB gain, VHF broadband (ch. 2-13) TV amplification system (passes FM). Has Skyliner-A preamplifier and DA-1V-75P amplifier, remote power supply. 300-ohm input and 75-ohm output. Noise figure, less than 4.5 dB. Output, 54 dBmV (3 ch. low band, 4 ch. high band). 117 V. Skyliner-A, $3\frac{1}{2} \times 5\frac{1}{4} \times 3\frac{1}{8}$ ". DA-1V-75P, $3\frac{1}{2} \times 8\frac{1}{4} \times 2\frac{1}{4}$ ". Shpg. wt. $2\frac{1}{2}$ lbs. 15 B 6062.....42.85

VHF/FM COAXIAL DISTRIBUTION AMPLIFIER



Coaxial Splitter
for Up to 4 Sets—
Ideal for MATV

15 B 6063. Homer 75 U/V. Above, but separate UHF and VHF inputs, outputs.....19.17

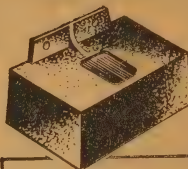
VHF/FM 300-OHM 4-SET DISTRIBUTION AMPLIFIER

HOMER 300V. Four-output unit for channels 2-13 and FM. Powerful, low-noise silicon transistor. High output isolation. 300-ohm balanced input and outputs. Stripless screw terminals. $3 \times 4\frac{1}{2} \times 1\frac{1}{8}$ ". For 115 V, 60 Hz AC. Wt., 1 lb. 15 B 6064.....12.00
15 B 6065. Homer 300 U/V. Above, but separate UHF and VHF inputs and outputs.....17.93

MAST-MOUNTING AMPLIFIERS

UHF-VHF-FM ANTENNA AMPLIFIER

3237 • Weatherproof
• Low Power D

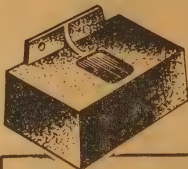


MAST-MOUNT Amplifier
with Indoor Remote
Power Supply

CROSS COUNTRY. For 82 TV ch for clearer, sharper pictures. on mast for best signal-to-noise. Single all-channel for use with all channel A. High-stability silicon transistor. brilliant color and black-and-white. Indoor remote power supply. arate 300-ohm UHF/VHF. Filter prevents FM overload. fier, $2\frac{1}{2} \times 4 \times 1\frac{1}{8}$ "; power supply, $4\frac{1}{2} \times 1\frac{1}{8}$ ". For 110-120 VAC. 15 B 6066.....
15 B 6067. Suburban. Above, single 300-ohm UHF, VHF in ohm outputs.....
15 B 6068. Voyager. As above, separate UHF and VHF inputs.....
15 B 6069. Vaultier. Above, b rate UHF, VHF inputs, single 75 ohms.....

SOLID-STATE VHF ANTENNA AMPLIFIER

2653 • High-Gain C
• Silicon Transi

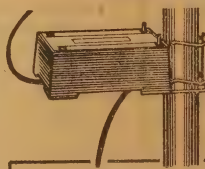


MAST-MOUNT Amplifier
with Indoor Remote
Power Supply

HORIZON. 300 OHMS. Has t sistor circuit for sharp c black-and-white pictures. weaker channels without ove from strong local TV or FM. Provides 17 dB gain. Can with one or two TV sets. transistors provide the utmo cuit stability and reliabili little power. Amplifier mo mast, power supply indoors fier, $2\frac{1}{2} \times 4 \times 1\frac{1}{8}$ "; power supply, $4\frac{1}{2} \times 1\frac{1}{8}$ ". 110-130 V, 60 Hz 15 B 6070. Shpg. wt. $1\frac{1}{2}$ lb 15 B 6071. Spanner. Above 300-ohm UHF, VHF input, outputs.....
15 B 6072. Skyliner. Above, b 300-ohm UHF, VHF input, outputs.....

SOLID-STATE UHF ANTENNA AMPLIFIER

2965 • 2 Silicon Transi
• Triples Signal S

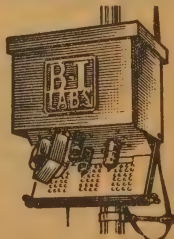


Indoor Power Supply

ABLE U-2B. Powered for we nels, yet does not overloa channels. Average gain of 10, signal strength. Offers maxu nal-to-noise ratio for clear, s tures. Two ultra-stable sili sistors for uniform high ga entire UHF band. "Jiff" snaps onto antenna mast, slips over prongs for fast, s stallation. Remote power su into AC outlet. 300-ohm bal put and output. Amplifier a supply each $1\frac{1}{2} \times 2\frac{1}{2} \times 4\frac{1}{8}$ ". 110-120 V AC. $1\frac{1}{4}$ lbs. 15 B 6073.....

HIGH-GAIN VHF-T AND FM AMPLIFIER

9115 • 25-dB Signal
• 300 or 75 O

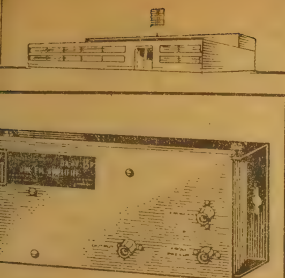


Power
Supply

AB-3. Provides 25 dB gain on channels 2 through 13, and F cast band. Increases signa by at least 18 times. Exceller reception. May be mast n mile away from set and s source (when open lead-in) amplifies signal with no in line noise from lead-in. Separate power line. 300 ohm inputs, outputs. $7\frac{1}{4} \times 4 \times 1\frac{1}{8}$ ". Shpg. wt. $8\frac{1}{2}$ lbs. 15 B 6074.....

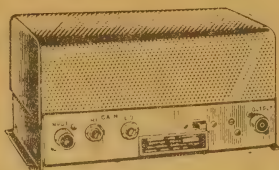
Blonder-Tongue TV-FM Distribution Systems

These top-quality distribution systems amplify the signal from your TV or FM antenna to permit delivering a strong, clear signal to up to 150 receivers. Ideal for homes, schools, motels, or any large building. All are designed for maintenance-free operation.



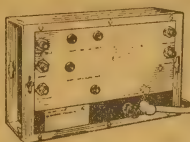
LARGE SYSTEM VHF TV AMPLIFIER

CVB-45P One-output 75-ohm amplifier for VHF and FM. Reliable state circuit gives maximum signal-to-noise ratio for snow-free pictures, both color and black and white. Will not overload in strong signal areas, ideal for use where strong weak signals are present. Flat response, high gain, excellent output. $3\frac{1}{2} \times 8\frac{1}{4} \times 2\frac{1}{4}$ ". For 110-120 60 Hz AC. 2 lbs. 6075.....21.45

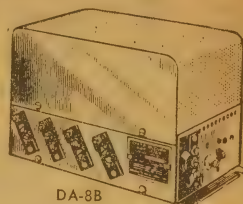


LARGE SYSTEM VHF TV AMPLIFIER

MLA-C VHF TV amplifier provides a gain of 40 dB on channels 2-13. Supplies adequate power to operate up to 150 sets with proper antenna distribution system. Offers maximum signal fidelity for both color and black-and-white TV. Separate controls make it possible to adjust either high (channels 7-13) or low (channels 2-6) band to compensate for differing input signal strengths. 75-ohm coaxial input and output connectors. Seven tubes. In rugged, well-ventilated metal cabinet, $9 \times 6 \times 5\frac{1}{2}$ ". For 110-120 volts, 60 Hz AC. Shpg. wt. 9 lbs. 15 B 6076.....114.00
15 B 6077, CVB-45P. Same as above, but solid-state circuitry.....114.00



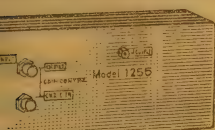
CVB-45P



DA-8B

8-SET VHF AMPLIFIER

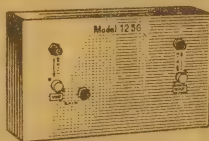
DA-8B Combination signal booster and isolation-distribution system for use in small apartment buildings, homes, motels. Has outputs for up to 8 TV sets, with 22 dB minimum isolation between outputs to prevent interference between sets. 10 dB gain on all VHF channels for bright, clear pictures. Gain control range of 10 to 1 protects system from overload. Low-noise all-triode circuit. Has inputs and outputs for 75 or 300-ohm lines. One output may be used to feed another DA8-B for additional hookups. Includes power supply, terminating resistors, grounding clamp, screw terminals. $5 \times 9 \times 5\frac{1}{2}$ ". 110-120 V, 60 Hz AC. Wt., 6 lbs. 15 B 6078.....68.85



CVB-30P BROADBAND VHF/FM AMPLIFIER

- Silicon Transistor Circuit
- Input for Powering Preamps
- High and Low Gain Controls

Broadband VHF/FM amplifier for homes, showrooms, MATV systems, etc. Handles up to 50 sets. Has two 75-ohm input for direct connection to antenna; the other has duplexed 60 Hz AC for powering a mast-mounted preamp. Gain: 30 dB. 75-ohm channels. Output impedance, 75 ohms. Two controls, 75-ohm channels 7-13 and low channels 2-6 FM, balance gain. 3-wire power cord, $8\frac{3}{4} \times 3\frac{1}{4} \times 2\frac{1}{8}$ ". 105-129 VAC. 15 B 6079. Shpg. wt., 4 lbs.....55.50



CUB-29P HIGH-GAIN UHF AMPLIFIER

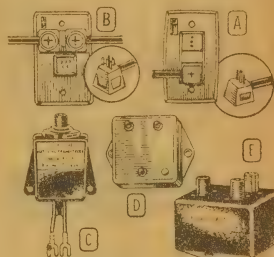
- Silicon Transistor Circuit
- Eliminates Need for Converter
- Provides Sharp, Clear Pictures

CUB-29P Excellent high-gain, high-output broadband UHF amplifier gives up to 30 dB gain for use in medium and small MATV systems. Eliminates need for UHF to VHF converter. Built-in UHF/VHF multiplexers permit use with companion VHF amplifiers (CVB-30P at left), for all-channel reception. High and low-gain controls, input for powering preamps. 75-ohm input and output impedances. Size, $8\frac{3}{4} \times 5\frac{1}{4} \times 3\frac{3}{8}$ ". 3-wire power cord. 110-120 VAC. 15 B 6079. Shpg. wt., $3\frac{1}{4}$ lbs.....86.30

BLONDER-TONGUE DISTRIBUTION SYSTEM ACCESSORIES

ORTAP 3650, Two UHF/VHF/FM outlets, 300 ohms. With two plugs. 15 B 6038. Shpg. wt., 4 oz.....1.82
6039, Rototap-2, 3560, 4 or 5-wire rotor plug, two 300-ohm outlets.....3.57
REMATCH U/V, VHF/UHF. Adapts 75-ohm coax to 300 ohms. $2 \times 2 \times 1\frac{1}{4}$ ". 15 B 6031. Shpg. wt., 4 oz.....1.79
ES-4V, VHF/FM splitter. Indoor 2-way hybrid. Separates one 75-ohm coax input into two 75-ohm outputs. Blonder-Tongue OD connector type 59 cable. $2 \times 2 \times \frac{1}{2}$ ". Wt., 8 oz. 15 B 6080.....4.00

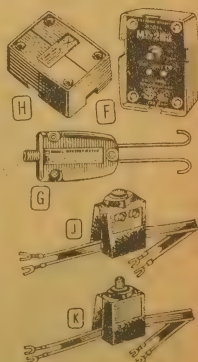
ES-4V, VHF/FM splitter. Indoor 4-way hybrid. Separates one 75-ohm coax input into four 75-ohm coax outputs. Blonder-Tongue OD connectors accept type 59 cable. $2 \times 2 \times 1\frac{1}{4}$ ". 15 B 6082. Shpg. wt., 4 oz.....5.30
MS-2 U/V, VHF/UHF/FM splitter. Indoor 2-way hybrid. Separates one all-channel 75-ohm input into two 75-ohm outputs. Three type F connectors; plugs for type 59 cable. $2 \times 2 \times 1\frac{1}{4}$ ". 15 B 6083. Shpg. wt., 4 oz.....7.80
MS-4V, VHF/FM splitter. Indoor 4-way hybrid. 5 type F connectors, plugs. 75 ohms. 15 B 6084. Wt., 4 oz.....8.45



BLONDER-TONGUE UHF/VHF/FM CONVERTERS AND SPLITTERS

6085, A-107 UHF/VHF-TV SPLITTER. Converts single UHF and VHF TV set to a single lead. Also to split signal from one antenna for two TV sets with sep. UHF-VHF ant. inputs. $1\frac{1}{2} \times 2\frac{1}{4} \times \frac{1}{4}$ ". 4 oz.....3.60
6086, A-102UV TWO-SET UHF/VHF COUPLER. One input from ant., two comb. UHF/VHF outputs. $1\frac{1}{4} \times 2\frac{1}{4} \times \frac{1}{4}$ ". 5 oz.....2.20
6087, A-104UV FOUR-SET UHF/VHF COUPLER. One input from antenna and four comb. UHF/VHF outputs. Feeds UHF-VHF from a single download to up to four TV sets. $1\frac{1}{2} \times 2\frac{1}{4} \times \frac{1}{4}$ ". 4 oz.....2.80
6088, MT-283 UHF/VHF/FM TRANSFORMER. Indoor or outdoor, can be used for transforming from 75-ohm or vice versa. Male "F" connector supplied. $1\frac{1}{4} \times 2\frac{1}{4} \times \frac{1}{4}$ ". 4 oz.....3.07

6089, WEATHERMATCH. UHF/VHF/FM outdoor matching transformer. Mounts directly to 300-ohm antenna terminals and provides connection for 75-ohm download. Male "F" connector supplied. Wt. 4 oz.....2.50
6090, WEATHERMATCH II. Same as above but backed with one MODEL 4540 indoor matching transformer/band separator (see below). "F" connector supplied. 4 oz.....5.35
6091, 4539 300-OHM BAND SEPARATOR. Used to separate UHF and VHF from a single 300-ohm lead carrying UHF and VHF. Loss: 0.75 dB. Shpg. wt. 1 oz.....1.80
6092, 4540 75-OHM BAND SEPARATOR. Used to separate UHF and VHF and transform to 300-ohm outputs from single 75-ohm coax cable. Loss: 1.5 dB. Wt. 1 oz.....3.05



ARCHER "COLOR SUPREME 283" INDOOR VHF /UHF TELEVISION ANTENNA FOR LOCAL AREAS



- 18⁹⁵**
- Dual Power Boosters
 - 12-Step Picture Control
 - Rotating Color Loop

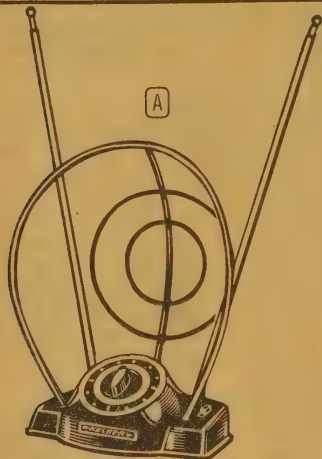
Here's a quality engineered VHF/UHF indoor television antenna designed especially for excellent local color or black-and-white transmissions. Features dual power booster coils to electrically extend the length of the dipole arms to provide better reception with a minimum of arm adjustment. Rotating color loop section adjusts easily for best possible picture. 12-position picture control switch lets you electronically adjust picture, regardless of channel, to suit individual preferences for best possible viewing. Special built-in VHF/UHF interference rejection network eliminates any cross-signal interplay that can cause distortion in picture or sound.

4-conductor air dielectric VHF/UHF transmission line provides color washout due to poor insulation factors and guarantees excellent low-loss signal transmission from the antenna to your television receiver without distortion. Beautifully designed case features control knobs for color loop rotator and 12-position channel picture control switch. Handsomely styled dipole elements and coils provide a futuristic look for complementing even the most lavishly furnished rooms. Completely hardwired circuitry and heavy-duty construction assure year after year of outstanding, trouble-free performance.

Delay no longer! Solve all your indoor television antenna problems with this easy-to-use, efficient unit. Reduce annoying "ghosts" and "snow" and relax with a clear, sharp picture and quality sound on all VHF/UHF channels, either black-and-white or color. For use in local reception areas. Order on these quality indoor television antennas today. Made in U.S.A. Transmission line included.

15 B 1545, Shpg. wt. 3 lbs. 18

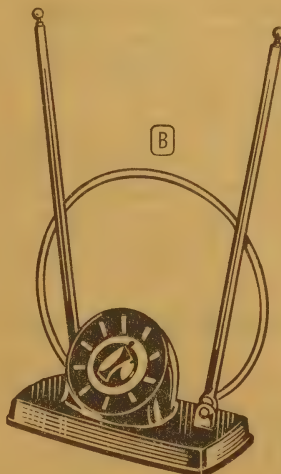
INDOOR VHF/UHF TV ANTENNAS FEATURE 12-POSITION ELECTRONIC TUNING CONTROL SWITCH FOR BEST PICTURE



A DELUXE 45" 4-SECTION ANTENNA

This quality-crafted VHF/UHF all-channel television antenna will give you sharp, clear pictures with a minimum of adjustments. The 45" 4-section telescoping VHF dipole element provides excellent reception in local areas, and the UHF loop element for clear all-channel reception. Boasts 12-position electronic tuning switch feature, enabling you to instantly adjust for the best possible picture and quality regardless of the channel being received. Newly developed high gain electronic tuning assembly assures clearer, sharper pictures. all-channel color or black-and-white local reception. Handsomely styled to complement any room. Complete with transmission line.

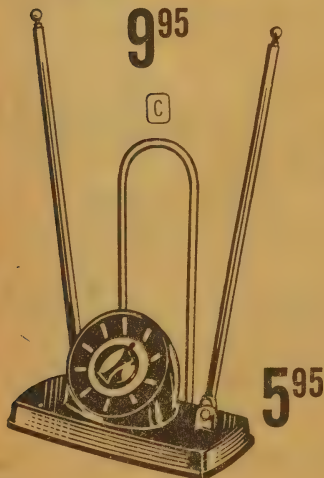
15 B 1543, Shpg. wt. 3 lbs. 18



B 45" 4-SECTION ANTENNA

Here's an excellent indoor VHF/UHF antenna that will give you reliable, trouble-free service. Can be used for local black-and-white or color television reception with outstanding results. Covers all channels. Features heavy-duty color phasing loop. 12-position electronic tuning control switch adjusts instantly and effectively to give you the best possible picture and a matter of seconds. Helps to clear up picture purities caused by feedback and reduces "ghosts" and "snow." Handsomely styled. Comes complete with transmission line.

15 B 1542, Shpg. wt. 2 lbs. 18



C 39" 4-SECTION ANTENNA

This economically priced all-channel indoor antenna will give you long-lasting high quality black-and-white or color reception in local areas. Features 4-section 39" brass telescoping dipole elements. 12-position electronic tuning control lets you adjust antenna for best possible reception instantly, with a minimum of fuss. Its matching loop assures low signal loss for maximum gain. Separate 5' VHF/UHF transmission line eliminates feedback and rejects interference to reduce "ghosts." Sturdy construction assures reliable, trouble-free performance. Handsomely styled. Complete with transmission lines. Order on these quality indoor television antennas today.

15 B 1541, Shpg. wt. 2 lbs. 18

Plus values in FM Antennas and most-often-needed Accessories

COMBINATION VHF ANTENNA

Position
Switch for
Picture

3⁹⁹

as Polarized-telescopic
dipoles and direc-
tional for fine indoor
reception on all 83 chan-
nels. Position switch ad-
justs for best possible re-
ception. For local reception

6.3 lbs. 3.99



ECONOMY TV/FM ANTENNA

Electronic
Tuning
Circuit

2⁴⁹

4-section dipoles.
Electronic tuner matches
impedance for high
gain. For TV chan-
nels 2-13, and FM. Imped-
ance 300 ohms. Tip-proof.
6.1 lb. 2.49



PROJECT TV/FM ANTENNA

Electronic
Tuning
Circuit

1²⁹

priced VHF anten-
na. Excellent perform-
ance. TV channels 2-
13 as FM. Tip-proof.
With 300 ohm twin-
shielded line.
5.1 lb. 1.29



REPLACEMENT VHF ROD AND UHF LOOP ANTENNAS

Replaces any 4 or
6-section TV anten-
na. 4-section telescopic
rod antenna extends
to 10 3/4" to 38".
2.32 lb. 1.29



Ideal replacement for broken or lost
VHF loop antennas on portable
sets, UHF converters, etc. Simple,
easy installation with only a screw-
driver; no wires, leads, needed. Gives
excellent indoor UHF reception in local areas.
2.33 lb. 99¢



Nothing
to Connect

1⁹⁹

"OFF" REMOTE CONTROL

Remote control for any appliance
up to 15' away. Use for radios,
amps, stereos, etc. Just
plug into the wall and plug appli-
cance into unit. Comes complete with
batteries. Made in U.S.A.
1.60 lb. 1.99

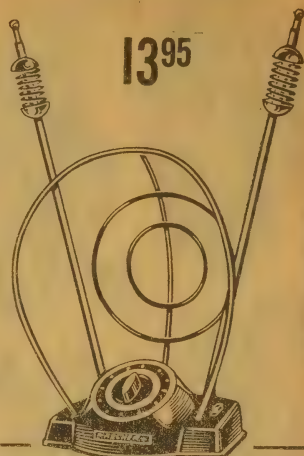
1.60 lb. 1.99

ARCHER VHF/UHF COLOR TELEVISION INDOOR ANTENNA FOR ALL CHANNELS

- Exclusive Dual Power Boosters
- Special Air Dielectric Lead
- Powerful Color Filter Control

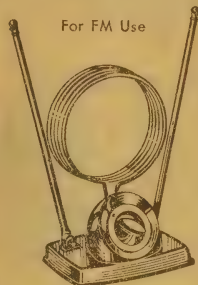
This exclusive color indoor television antenna features special dual power coil boosters. They electrically extend the length of the dipoles for added performance, improve reception and minimize arm adjustments. Separate VHF/UHF color filter control helps to remove picture impurities and feedback. Special 4-conductor air-dielectric transmission line aids in eliminating color wash-out. Long 45" telescoping dipole arms. 12-position picture control switch easily adjusts to the specific needs of each channel in order to bring in the best possible picture and sound in your area. For all-channel VHF/UHF use in local reception areas. Comes complete with transmission lines. Order one today.

15 B 1544, Shpg. wt. 3 lbs. 13.95



13⁹⁵

For FM Use



STEREO KING FM ANTENNA

Quality engineered FM antenna cuts station drift, reduces interference. 12-position control for best reception in any area. Great for stereo reception.

15 B 1073, 2 lbs. 6.95

TABLE-TOP UHF ANTENNA

Excellent UHF reception in local areas with this fine performing indoor antenna. Twin ebony dipoles, brass reflector grid. Use for black-and-white or color.

15 B 623, 2 lbs. 3.99



For UHF Use

DISAPPEARING 4-SECTION VHF TELEVISION ANTENNA

1⁹⁹

- 30" Dipoles
- Easy Mount
- 18" lead-in

Powerful VHF indoor antenna mounts out of sight on back of any console, table model or portable television set. 30" dipole arms for extra power. Antenna completely disappears when not in use. Comes complete with 18" transmission line. For local use.

15 B 230, 1 lb. 1.99



HIDDEN VHF ANTENNA

4⁹⁵

- Dual 37" Dipoles
- Mounts on Any TV

Excellent performing VHF television antenna for local use. Features 37" telescoping dipole elements. Can be used on consoles, table models or portables. 6-position tuning switch lets you adjust for best picture and sound. Completely hidden when not in use. Advanced circuitry delivers maximum pulling power. For local use with black-and-white or color sets.

15 B 231, 1 lb. 4.95



TV TIME SWITCH WITH 20' CORD



5⁹⁹

- No Wiring
- Easy-To-Use

End accidental all-night playing of television sets, stereos, radios, etc. Simply plug in any appliance and set timer dial to desired switch-off time. No wiring or installation needed. Has 10 to 60 minute timing mechanism. Ideal for hundreds of timing and switching applications. AC.

15 B 588, Shpg. wt. 1 lb. 5.99

PRIVATE TELEVISION AND RADIO LISTENER

1⁹⁹



Attaches to any radio or television set instantly and easily for true private listening. Great for late-night viewing or listening without disturbing others. Comes complete with miniature earphone that fits comfortably in the ear, earholder, and 20' extension cable for remote control.

15 B 586, Shpg. wt. 1/2 lb. 1.99

NOVA SPEAKERS... for Crisper, Cleaner Sound at Low Prices

PERFECT HI-FI REPLACEMENT FOR CONSOLES, PHONO RADIOS, TV—DESIGNED AND MANUFACTURED IN U.S.

Engineered to give you low-cost, high-performance speakers that can be used in a wide variety of applications. Six sizes handle a multitude of uses either as extension speakers or for replacement with equal or better performance. They are made to our exacting specifications with quality parts and workmanship for long-life operation. You get low Allied Radio "factory-direct" prices, plus guaranteed quality. America's hottest speaker values.



12" FULL-RANGE SPEAKER

Highly efficient speaker performs at more than its modest cost. Handles more power with ceramic magnet. Exclusive internal dust seal protects the precision voice coil from "stray whiskers" that may work loose from the magnet. Response, 50-11,000 Hz. Handles over 30 watts of power... gives extremely sharp hi-fi sound. 8 ohms. 40 B 1200. Shpg. wt. 4½ lbs. 6.99

3-WAY 12" COAX SPEAKER

Wide-range coaxial speaker gives rich bass and clear, crisp highs for full performance. Features horn-shaped, coaxially mounted with prewired crossover. Midrange cone is coaxially mounted to woofer cone with mechanical crossover. Response, 35-17,500 Hz. Handles 16 watts (30 watts peak). 8 ohms. 40 B 1230. Shpg. wt. 4 lbs. 6.99

8" DUAL-CONE SPEAKER

Quality speaker with baked-on lacquer finish at a low, low price! Even at this price you get 8 watts power capability and 40-12,500 Hz frequency response. Has powerful 3-oz. ceramic magnet, whizzer cone for smooth highs. 8 ohms impedance. 40 B 1232. Shpg. wt. 1¾ lbs. 5.95

8" ROUND COAX SPEAKER

Only 2¾" deep, this highly efficient speaker is shallow enough to be built into a console. Separate 3" tweeter for clear, crisp response. Big 3-oz. ceramic magnet for full-toned bass. Frequency response, 50-17,500 Hz. Prewired tweeter and crossover for easy installation. Baked-on lacquer finish for some appearance and longer life. 40 B 1226. Shpg. wt. 1¾ lbs. 5.95

6x9" COAX SPEAKER

Rectangular speaker performs like a 9" round speaker, yet can be used in a smaller space. A separate round coaxially-mounted 3" tweeter with Alnico V magnet makes this the perfect choice for a "better than original" replacement. Woofer has powerful ceramic magnet for rich, clear reproduction. Frequency response, 50-15,000 Hz. Power handling capacity, 8 watts. 8 ohms. 40 B 1231. Shpg. wt. 1½ lbs. 8.95

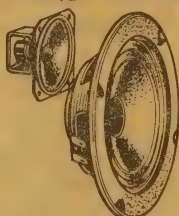
3½" SQUARE TWEETER

Add this tweeter to your two-way system to greatly increase frequency response... or replace existing tweeter with this performance unit and get even better response. Basket has sealed back to protect cone against woofer back pressure. Quality features include electrical crossover (non-polarized capacitor at 4500 Hz) response, 2000-16,000 Hz. 10 watts. 8 ohms. 40 B 1224. Shpg. wt. ¾ lb. 4.95

8" WOOFER WITH 3½" TWEETER

9.95

Low, low price... high performance

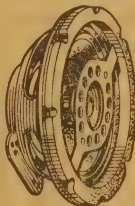


Complete package to set up an 8" woofer with 3½" tweeter that will give you surprisingly good performance. When completed according to instructions, this speaker compares to \$30 and \$40 units. Woofer has treated cone edges... tweeter has closed back and prewired capacitor crossover. Has a big 24 watts power capacity. 8 ohms impedance. 40 B 1306. Shpg. wt. 3 lbs. 9.95

8" TWO-WAY AIR-SUSPENSION SPEAKER

12.95

- 45-17,000 Hz
- Cloth-Roll Cone
- Ceramic Magnet



Our brand new compact, wide-range, low-distortion speaker... at a low-low price! Ideal for small speaker systems, PA, or upgrading consoles. Woofer has 1" diameter voice coil and a big 10-oz. ceramic magnet. Tweeter has ¾" voice coil and 2.35-oz. ceramic magnet. 2000-Hz crossover. 17 watts. 8 ohms. 3½" deep. 40 B 1330. Shpg. wt. 3 lbs. 12.95

12" 3-WAY AIR-SUSPENSION SPEAKER

19.95

- 28-Watt Capable
- 24-18,500 Res
- Air Suspension



Our greatest 12" speaker value! 1" air-suspension, cloth-roll woofer with range cone plus a coaxially-mounted tweeter with built-in crossover. Has 1" voice coil. 10-oz. ceramic magnet. 24 Hz free-air resonance. Frequency response, 24-18,500 Hz. Deluxe color-coded terminals. 40 B 1320. Shpg. wt. 5 lbs. 19.95

Hi-Fi Grille Cloth for Repair, Replacement, Custom Coverings

- Attractive, Color-Fast Patterns
- Won't Sag, Shrink or Fade
- Keeps Dust Out of Speakers

1.95 and 3.95

Beautifully woven speaker grille cloth designed to keep dust and foreign matter out of speakers and allow free, unobstructed passage of sound waves. Made of durable material with a special weave that allows easy, unrestricted passage of all audio frequencies. Won't shrink, or fade. Attractive patterns.

Stock No.	Description	Size	EACH
40 B 1930	Waffle	36x36"	3.95
40 B 1931	Off White	36x36"	3.95
40 B 1932	Walnut	36x36"	3.95
40 B 1933	Black	36x36"	3.95
40 B 1934	Woven Wood	36x36"	3.95
40 B 1935	Cane	36x36"	3.95
40 B 1936	Waffle	18x24"	1.95
40 B 1937	Off White	18x24"	1.95
40 B 1938	Walnut	18x24"	1.95
40 B 1939	Black	18x24"	1.95
40 B 1940	Woven Wood	18x24"	1.95
40 B 1941	Cane	18x24"	1.95



Values in Top-Performing Replacement Speakers by REALISTIC

LOW-COST SPEAKERS FOR EVERY PURPOSE

Alnico-V Magnets and Rigid Frame Construction for Proper Alignment
Replacement Speakers for Home or Auto Radio, PA System, TV Set
as Extension Speakers in Other Rooms or in Store or Waiting Room
for high performance and rugged, long-life service. Replace those
performing speakers and get the most out of your equipment.
Radio Shack offers you the widest choice anywhere of quality
reproducers . . . all with high-efficiency Alnico-V magnets and
rigid frame construction to maintain proper voice-coil and magnet
alignment. Use them as replacement speakers for home and auto radios,
transistors, TV's, or as extension speakers in other rooms, stores, and
restaurants. Each speaker individually packed.

No.	Size	Magnet	Watts	Ohms	Wt., Lbs.	1-3, EA.	4-9, EA.	10-49, EA.
201	3"	.68 oz.	3	3-4	1/4	2.39	2.09	1.69
202	3 1/2"	.68 oz.	3	3-4	1/4	2.39	2.19	1.79
203	4"	.55 oz.	3	3-4	1/4	2.39	2.19	1.79
204	4"	1.00 oz.	4 1/2	3-4	1/4	2.59	2.29	2.09
205	5"	.55 oz.	4	3-4	3/4	2.39	2.19	1.79
206	5"	1.00 oz.	5	3-4	3/4	2.79	2.49	2.19
207	6"	.68 oz.	5	3-4	1 1/4	2.99	2.69	2.39
209	5x3"	.55 oz.	4	3-4	1/2	2.39	2.19	1.79
210	4x6"	.68 oz.	4	3-4	1/2	2.79	2.49	2.19
211	5x7"	.68 oz.	4	3-4	3/4	2.99	2.69	2.39
212	6x9"	.68 oz.	4	3-4	1 1/4	3.29	2.99	2.69
213	8"	1.47 oz.	8	3-4	2	3.99	3.59	2.99
905	6"	1.47 oz.	6	10/20/40	1 3/4	3.99	3.59	2.99
214	4x10"	2.15 oz.	8	10/20/40	2 1/2	4.99	4.19	3.49
215	5x7"	1.47 oz.	7	10/20/40	2	4.99	4.19	3.49
216	6x9"	1.47 oz.	8	10/20/40	2	4.99	4.19	3.49



MINIATURE 8-OHM REPLACEMENT SPEAKERS

98¢

Made to Fit into the
Tightest Places Possible

These beautifully designed speakers are made very thin so that they will fit into the smallest possible space. They are exact replacements for the speakers in most transistor radios, walkie talkies, small tape recorders, and many more. Each has an Alnico magnet for the best possible sound reproduction . . . they play strong and clear regardless of their small size. Long-life cones and rigid construction that maintains perfect voice-coil and magnet alignment assure long, trouble-free service. Keep a supply on hand.

40 B 262. 2 3/4". Shpg. wt. 4 oz. 98¢
40 B 247. 2 1/2". Shpg. wt. 4 oz. 98¢
40 B 246. 2 1/4". Shpg. wt. 4 oz. 98¢
40 B 245. 2". Shpg. wt. 4 oz. 98¢

REALISTIC 4" ACOUSTIC- SUSPENSION SPEAKER



795

FREE . . . directions from
"ELECTRONICS
ILLUSTRATED" for
a submini speaker



6x9" OVAL SPEAKER

279
Ea. With Whizzer Cone
for Best Response

Ideal for replacement in car and home radios and for use as extension speakers. 1-oz. magnet. 3.4 ohms. 2 lbs.

40 B 1269. Each 2.79
Lots of 24. Each 2.29
Lots of 96. Each 1.99



8" ROUND SPEAKER

299
Big 1.47-oz.
Magnet

8" speaker with 1.47-oz. magnet has wide-range response and full-toned bass. Ideal replacement speaker. 8 ohms.

40 B 1271. Wt. 2 lbs. 2.99



8" ROUND SPEAKER

499
Ea. Big 6-ounce
Ceramic Magnet

Perfect for TV, phono, or PA speaker replacement. Big 6-oz. ceramic magnet for rich, full bass response. Wt. 3 lbs.

40 B 1272. Each 4.99
Lots of 24. Each 3.99
Lots of 96. Ea. 3.59



SPECIAL PURCHASE OF 5" EMI SPEAKER

499 Acoustic Suspension for
Great Dynamic Range

Ideal for custom hi-fi rigs, compact enclosures, and as extension speaker. Acoustic suspension for long cone-excursion and high power-capability. Handles a big 15 watts of power. Frequency response, 30-15,000 Hz. 8 ohms.

40 B 1908. Shpg. wt. 3 lbs. 4.99



HIGH-EFFICIENCY HORN TWEETER

795 Improves Highs
with Any Woofer

Improve the frequency response of your speaker system with this fine high-frequency tweeter. Adds lifelike treble response for full-range sound. Made of aluminum with baked-on lacquer finish. Rigidly constructed for lasting alignment of parts. Response, 2000-20,000 Hz. Handles 30 watts. Electronic crossover. 8 ohms. 7 1/4 x 3 x 6 1/8".

40 B 1228. Shpg. wt. 1 1/4 lbs. 7.95

STEREO L-PAD . . SPEAKER CONTR OL



349

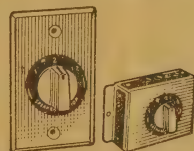
Volume levels of two or more speakers in your music or radio with this 8-ohm L-pad controls audio level while keeping impedance.

Shpg. wt. 3 oz. . 3.49

Volume of extension speakers in multi-system. 3 watts continuous. Knob, trim, instructions.

Shpg. wt. 3 oz. . 3.49

SPEAKER SELECTORS



Speaker switches select one pair of speakers or other pair or both. Specially designed for use with solid-state equipment. Two types: enclosed case allowing mounting anywhere; wall-box mounting. Screw terminals. Can be used with 8 or 16-ohm speakers. Attractive ivory color. Shpg. wt. 5 oz.

40 B 131. Wall Box Mount. 2.49
40 B 130. Enclosed Case. . . 3.49

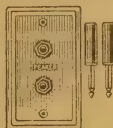


6-WAY SPEAKER SELECTOR

299

Controls stereo or mono speaker systems throughout the house. Handles up to six pairs of speaker systems in any combination desired. Pairs are identified on switch panel for accurate and instant control. Extremely low contact resistance for negligible voltage drop. Comes complete with all hardware. Size, 3 3/8 x 8 x 2 1/2".

40 B 124. Shpg. wt. 6 oz. . 2.99



Wire Your House
For Sound

149

STEREO WALL JACKS-

Now you can wire your entire house for stereo music, simply and easily. Stereo wall jack plate mounts into any standard switch outlet box. Lets you plug speakers in and remove them at will. Comes complete with two plugs and all hardware. Attractive ivory standard-size wallplate.

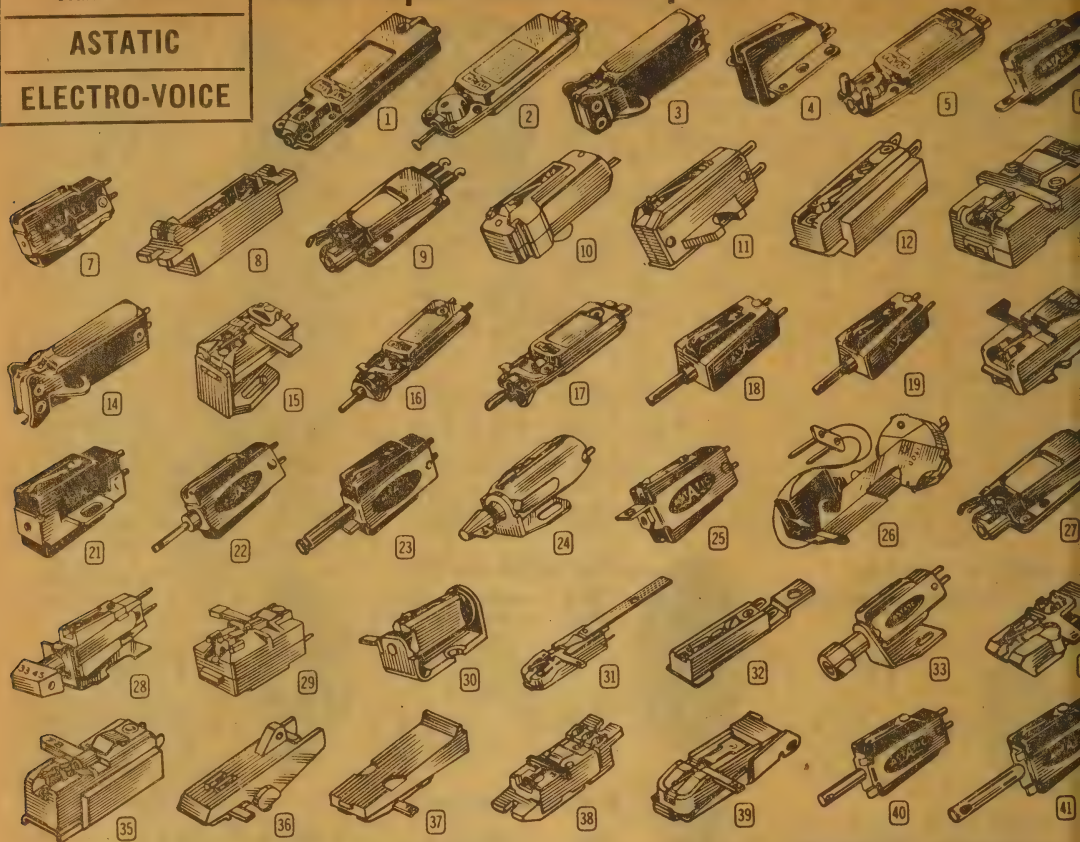
40 B 976. Wt. 1 lb. 1.49

REALISTIC

ASTATIC

ELECTRO-VOICE

Exact-Replacement Monophonic and Stereo Realistic



SINGLE-NEEDLE MONOPHONIC CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For Fig.	Needle(s)	EACH
42 B 6533	Ast. 12	Astatic 12	2 2S	2.67
42 B 6534	Ast. 24	Astatic 24	1 3S	2.97
42 B 6535	Ast. 40-1	Astatic 40-1	3 1S	3.90
42 B 6536	Ast. 602	RCA 118187	38 7S	4.17
42 B 6537	Ast. 51-1	Astatic 51-1	4 1S	4.44
42 B 6538	Ast. 62-1	RCA 103238, 103238A	9 1S	2.97
42 B 6539	Ast. 66-2	Astatic 66-2	5 2S	2.97
42 B 6540	Ast. 146-7	RCA 123489	13 7S	3.57
42 B 6541	Ast. 310-2	Astatic 310-2	6 2S	2.97
42 B 6542	Ast. 346	RCA 155058	8 7S	4.17
42 B 6543	Ast. 408	RCA 75575	9 1S	2.67
42 B 6544	Ast. 414-1	Astatic 414-1	7 1S	2.67
42 B 6545	Ast. 414-2	Astatic 414-2	7 2S	3.67
42 B 6546	Ast. 416-2	Astatic 416-2	7 2S	3.67
42 B 6547	Ast. 434	GE Show-Tell, Piezo	25 1S	2.67
42 B 6548	Ast. 601	Singer H2200 Portable	32 1S	2.97
42 B 6549	Ast. 609	Magnavox 560313; 3; 5	12 1S	2.97
42 B 6550	Ast. 350	GE Show-Tell, Varco	10 1S	2.67
42 B 6551	E-V 5200	Vaco SN-45	11 2S	2.55
42 B 062	Realistic	E-V 38, Sonotone 2T-S	1S/3S	3.95
42 B 2790	Realistic: C	E-V 5369, BSR X3H, X2H, X5H	1S/3S	3.95

DOUBLE-NEEDLE MONOPHONIC CARTRIDGES (Con

Stock No.	Mfr's Type	Exact Replacement For Fig.	Needle(s)
42 B 6505	E-V 88	Ronette DC 500/1	46 1S/3S
42 B 6506	E-V 119	BSR-TC8M	24 1S/3S
42 B 6507	E-V 190D	Magnavox	26 1D/3S
42 B 6508	E-V 5369	BSR X1H	59 1S/3S
42 B 6509	E-V 5201	Vaco TO-45M, 45X, 55X, 45XM	42 1S/3S
42 B 6510	E-V 267	BSR X1M	15 1S/3S
42 B 6511	E-V 270	BSR X2HE	15 1S/3S
42 B 6512	E-V 5370	BSR X4H	29 1S/3S
42 B 6513	E-V 5222	Varco TO-45VL	30 1S/3S

DOUBLE-NEEDLE STEREOPHONIC CARTRIDGES

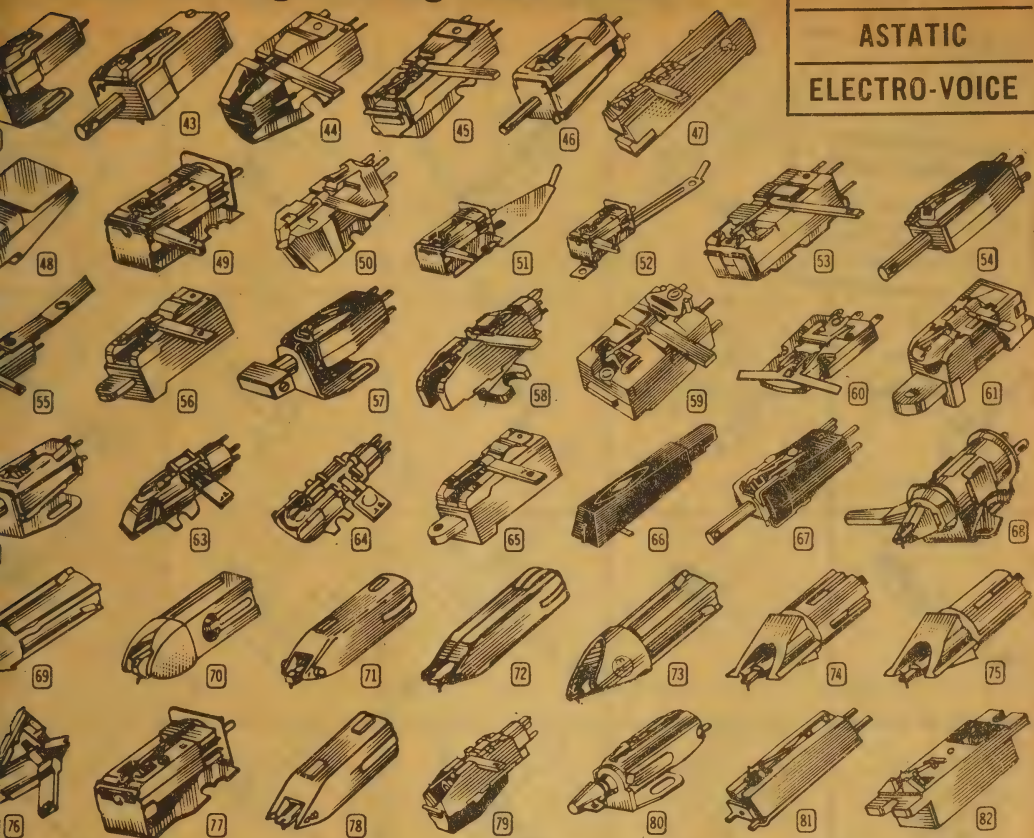
Stock No.	Mfr's Type	Exact Replacement For Fig.	Needle(s)
42 B 6514	Ast. 17	Astatic 17	20 7D/3S
42 B 6515	Ast. 17D	Astatic 17D	20 7D/3S
42 B 6516	Ast. 70TS	Astatic 70TS	47 7S/3S
42 B 6517	Ast. 80TS	Astatic 80TS	47 7S/3S
42 B 6518	Ast. 133	Motorola 59C61496A01	50 7S/3S
42 B 6519	Ast. 133D	Motorola 59C61496A02	50 7S/3S
42 B 6520	Ast. 140	G.E. EA1003	20 7S/3S
42 B 6521	Ast. 142R	G.E. EA1006, 15358-2	20 7S/3S
42 B 6522	Ast. 142RD	G.E. 1009, 15358-1	20 7D/3S
42 B 6523	Ast. 153D	Adm. 409C62, -1-2-3-4	50 7D/3S
42 B 6524	Ast. 157D	Philco 35-2865-1	50 7D/3S
42 B 6525	Ast. 142D	GE 15355-3	18 7D/3S
42 B 6526	Ast. 275D	Sears 33-456-0	66 7D/3S
42 B 6527	Ast. 349D	G.E. C-500	36 7D/3S
42 B 6528	Ast. 351D	G.E. C-650	37 7D/3S
42 B 6529	Ast. 353D	RCA 115276, 115276	39 7D/3S
42 B 6530	Ast. 195D	Magnavox 560345-1	31 7D/3S
42 B 2745	Realistic	E-V 26D, Mag. 560233, 560238, 560246-1, 5602	7D/3S
42 B 2475	Realistic	E-V 95, Ron. Sono. 20T	7S/3S
42 B 2714	Realistic	E-V 96, Ronette 106, 208	7S/3S
42 B 2717	Realistic	E-V 98, Ron. 106-1, 208-1	7S/3S
42 B 2789	Realistic	E-V 220D, Euphonic	7D/3S
42 B 2788	Realistic	E-1, E-2, U-1, U-2	7D/3S
		E-V 5219, Varco ST-4X, ST-4XM, ST-5X, ST-Astatic 747S	7S/3S
42 B 6531	Ast. 472	Vaco ST-2X, ST-20X	67 7S/3S
42 B 6532	Ast. 474	Vaco ST-4X, ST-40X	67 7S/3S
42 B 6566	Ast. 475D	RCA106060A; 110023A	60 7D/3S
42 B 6567	Ast. 475	RCA108213A; 110023A	60 7S/3S
42 B 6568	Ast. 477	RCA106771, A, B	60 7S/3S
42 B 6531	Ast. 477D	RCA 106771, A, B	60 7D/3S
42 B 6570	Ast. 487D	RCA 111348	60 7D/3S
42 B 6571	Ast. 710	Euphonic E-1, U-1	7S/3S
42 B 6572	E-V 5015D	Garrard model 30	58 7D/3S

DOUBLE-NEEDLE MONOPHONIC CARTRIDGES

Stock No.	Mfr's Type	Exact Replacement For Fig.	Needle(s)	EACH
42 B 6552	Ast. 40T	Astatic 40T	14 1S/3S	4.17
42 B 6553	Ast. 604	GE RT1051	18 1S/3S	3.27
42 B 6554	Ast. 64TS	VM	40 1S/3S	4.17
42 B 6555	Ast. 66TS	Astatic 66TS	16 1S/3S	4.35
42 B 6556	Ast. 66TV	Astatic 66TV	17 1S/3S	3.90
42 B 6557	Ast. 118	Astatic 118-TS	18 1S/3S	3.87
42 B 6558	Ast. 120	Astatic 120	18 1S/3S	3.87
42 B 6559	Ast. 124	Astatic 124TS	19 1S/3S	3.87
42 B 6560	Ast. 146	Ast. 146, BSR X1H(E)	20 1S/3S	3.87
42 B 6561	Ast. 192	Sears 57-8883-S	20 1S/3S	3.87
42 B 6562	Ast. 310T	Astatic 310T	21 1S/3S	3.27
42 B 6563	Ast. 310TS	Astatic 310TS	22 1S/3S	3.27
42 B 6564	Ast. 314TS	Astatic 314TS	23 1S/3S	3.27
42 B 6565	Ast. 410	RCA 77779	27 1S/3S	3.90
42 B 6500	Ast. 420 BSR	TC8H, Ronette TO284	33 1S/3S	3.27
42 B 6501	Ast. 422 BSR	TC8M, Ron. DC284	33 1S	3.57
42 B 6502	Ast. 470	Vaco TO-45X	41 1S/3S	3.57
42 B 6503	Ast. 611	Astatic 611 Mastercraft	35 1S/3S	3.57
42 B 2540	Realistic	E-V80, Sonotone 14TS, Astatic 420	1S/3S	3.45
42 B 755	Realistic	E-V 120, BSR TC8H	1S/3S	2.95
42 B 2784	Realistic	E-V 5206, Vaco TO-55, TO-45	1S/3S	2.95
42 B 6504	E-V 87	Ronette TO-222	28 1S/3S	3.87

Phono Cartridges at Big-Value Prices

REALISTIC
ASTATIC
ELECTRO-VOICE



LE-NEEDLE STEREOGRAPHIC CARTRIDGES (Cont'd)

No.	Mfr's Type	Exact Replacement For	Fig.	Needle s	EACH
4	Ast. 718D	Euphonics U11	34	.7D/3S	9.57
4	Ast. T1023	Telefunken T20/D, T22/D	61	.7S/3S	7.50
4	Ast. 195D	Magnavox 560345-1	55	.7D/3S	7.50
4	E-V 26	E-V 26	49	.7S/3S	6.90
4	E-V 97	Ronette 105/1 OV-1, T1	46	.7S/3S	4.50
4	E-V 5080D	Garrard model 30	79	.7D/3S	7.20
4	E-V 121 BSR	TC-8, -S-3, -SH, -SM	80	.7S/3S	4.68
4	E-V 126	Magnavox 560296-2	52	.7S/3S	6.90
4	E-V 126D	Magnavox 560296-1	52	.7D/3S	9.90
4	E-V 5344	BSR SX5H	29	.7S/3S	4.20
4	E-V 127D	Magnavox 560281-3	51	.7D/3S	9.90

4	E-V 131	Motorola 59C61640A01	53	.7S/3S	5.37
4	E-V 131D	59P60024A24	53	.7D/3S	7.77
4	E-V 141	Motorola 59C61640A02	53	.7D/3S	7.77
4	E-V 141D	Telefunken T20/2, T200-2	65	.7S/3S	7.77
4	E-V 143D	Telefunken T20/D, T200/D	65	.7D/3S	11.37
4	E-V 148	Jensen 143-D, SSD5B	45	.7D/3S	7.35
4	E-V 148D	V-M 29286-C	53	.7S/3S	5.37
4	E-V 5076	V-M 29286-C	53	.7S/3S	7.77
4	E-V 5081	Sears 33-470-0	48	.7S/3S	7.20
4	E-V 150	Sears 33-487-0	48	.7S/7S	7.20
4	E-V 150D	Allied 466, BSR-C1	44	.7S/3S	4.80
4	E-V 158	Magnavox 860315-1	44	.7D/3S	6.60
4	E-V 158D	Jensen 158, R2C49B	44	.7S/3S	5.40
4	E-V 271	Magnavox 560310-1	44	.7D/3S	7.50
4	E-V 272	BSR SX1M	59	.7S/3S	3.60
4	E-V 271	BSR SX1H	59	.7S/3S	3.60
4	E-V5213	Vaco ST-2	54	.7S/3S	3.45
4	E-V5216	Vaco ST-4	54	.7S/3S	3.45
4	E-V141	Telefunken T20/2, T200-2	56	.7S/3S	7.77
4	E-V 5026D	Garrard Model 30	58	.7D/3S	6.90
4	Ast. 754	Sonotone 8TA4-S	79	.7S/3S	6.47
4	Ast. 754D	Sonotone 8TA4-SD	79	.7D/3S	8.51
4	Ast. 756	Sonotone 9TAF-S	63	.7S/3S	6.54
4	Ast. 756D	Sonotone 9TAF-SD	63	.7D/3S	8.57
4	Realistic E-V 121	BSR TC8S Series	63	.7S/3S	2.95
4	Ast. 760D	Sonotone 16T, 19T, 916T	64	.7D/3S	6.84
4	E-V 5379	Allied 480, Telrad I-G2S-B	78	.7S/3S	9.30

PLUG-IN MONOPHONIC CARTRIDGES

4	Ast. 81T	Astatic 81T	78	1S/3S	2.37
4	Ast. 81TX	Astatic 81 TX	78	1D/3S	4.17
4	Ast. 81TBX	Astatic 81 TBX	68	1D/3S	4.77
4	Ast. 89T	Astatic 89T	78	1S/3S	2.97
4	Ast. 89TX	Astatic 89TX	78	1D/3S	4.77

PLUG-IN MONOPHONIC CARTRIDGES (Cont'd)

Stock No.	Mfr's Type	Exact Replacement For	Fig.	Needle(s)	EACH
42 B 6614	Ast. 89-1	RCA 108555	78	1S	2.55
42 B 6615	Ast. 95	Zenith 142-87	73	1S/3S	2.37
42 B 6616	Ast. 101	Zenith 142-76, -77	73	1S/3S	4.50
42 B 6617	Ast. 83-1	Astatic 83-1, Jensen 42	71	1S	2.10
42 B 6618	E-V 56	Ev 56, Mot. 59B634530	69	1S/3S	2.37
42 B 6619	E-V 56D	E-V 56D, 56DS	69	1D/3S	4.17
42 B 6620	E-V 76	Webcor A1919	70	1S/3S	2.37
42 B 6621	E-V 76D	Webcor A1920	70	1D/3S	4.17
42 B 2705	Realistic: C	E-V 810, Ast. 81T	70	1D/3S	4.95

PLUG-IN STEREOGRAPHIC CARTRIDGES


42 B 6622	Ast. 13TX	Astatic 13TX	72	.7D/3S	5.37
42 B 6623	Ast. 13TBX	Astatic 13TBX	68	.7D/3S	5.97
42 B 6624	Ast. 13T	Astatic 13T	72	.7S/3S	3.57
42 B 6625	Ast. 13TB	Astatic 13TB	68	.7S/3S	4.17
42 B 6626	E-V 66D	E-V 66D, 66DS	73	.7D/3S	5.97
42 B 6627	E-V 106	E-V 106	74	.7S/3S	4.17
42 B 6628	E-V 106D	E-V 106, 106DS	74	.7D/3S	5.97
42 B 6629	E-V 108	E-V 108	75	.7S/3S	4.17
42 B 6630	E-V 108D	E-V 108D, 108DS	75	.7D/3S	5.97
42 B 6631	Ast. 758	Sonotone N10T2-S	76	.7S/3S	5.14
42 B 6632	Ast. 758D	Sonotone N10T2-SD	76	.7D/3S	7.17
42 B 2703	Realistic	E-V 130, Ast. 13TX	70	.7D/3S	5.95

SINGLE-NEEDLE STEREOGRAPHIC CARTRIDGES

42 B 6634	E-V 5078D	Sears 33-482-0	48	.7D	9.00
42 B 6633	E-V 5082D	Sears 33-484-0	48	.7D	9.00
42 B 6635	E-V 5178	E-V 191	81	.7S	3.30
42 B 6636	E-V 264	RCA 115059	82	.7S	4.89
42 B 6637	Ast. 348	RCA 11059	78	.7S	4.77
42 B 759	Realistic	E-V 150D/132D, Motorola 59661496A04, 59662432A01	..	.7D/3S	7.95
42 B 055	Realistic	E-V 149D, GE C-10, C-100A, C-200	..	.7D/3S	7.95
42 B 2541	Realistic	E-V 169D, Sonotone 9T, 16T, 18T	..	.7D/3S	7.95
42 B 764	Realistic	E-V 148D, Ast. 142D, Sonotone 12T, 12TH	..	.7D/3S	8.95
42 B 2791	Realistic	E-V 266D, Sonotone 8TA4SD Series	..	.7D/3S	7.95
42 B 2792	Realistic	E-V 274D, BSR CL, CLD, SC5M	..	.7D/3S	6.95
42 B 2793	Realistic	E-V 272, BSR SX1H, SX2H, SX5H	..	.7S/3S	3.95
42 B 2794	Realistic	E-V 5243, Varco, CN75, CN72	..	.7S/3S	3.95

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F



G



H



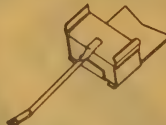
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M



N



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R



S



T



W



X

FOR ASTATIC CARTRIDGES

Stock No.	Fig.	For Cartridge No.	EACH
42 B 2813	J	314, 420, 422, 424, 426	2.99
42 B 2817	J	70, 74, 76, 80, 86 Stereo	2.99
42 B 2806	F	17 Stereo	2.99
42 B 2808	E	133 Stereo	2.99
42 B 2804	D	140, 142 Stereo	2.99
42 B 2814	E	153, 157 Stereo	2.99
42 B 2830	CC	167, 169, 181, 182, 275, 349, 351	2.99
42 B 5500	E	133, 137, 233, 237, 459, 483	2.99

FOR BSR CARTRIDGES

42 B 2810	B	ST-3, ST-4, ST-5, ST-6, X3H, JX-1H, SX-2H, C-1	2.99
42 B 2828	CC	ST-8, ST-9, 5X5H, 5C5H	2.99
42 B 5501	J	TC8, H, M, S, SH	2.99
42 B 5502	B	X3H, X4H, SX5H, SC5H	2.99

FOR ELECTRO-VOICE CARTRIDGES

42 B 2829	K	21, 26T Stereo	2.99
42 B 2826	G	132, 141, 149 Stereo	2.99
42 B 2823	C	117, 131, 148 Stereo	2.99
42 B 2811	H	169 Flexible	2.99
42 B 2818	H	194 Stereo	2.99
42 B 5504	G	5000, 5003, 5005, 5170	2.99
42 B 5505	G	5026, 5080	2.99

FOR CBS CARTRIDGES

42 B 5503	A	SC-1, 2, 7, 8; CD; 55	2.99
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FOR EUPHONICS CARTRIDGES

42 B 2857	M	U-1, 2, 4, 5	2.99
42 B 2835	N	U-8, 9, 10, 11	2.99
42 B 5506	M	E Series	2.99
42 B 5507	C	U-15, 17, 19-14 Series	2.99

FOR GENERAL ELECTRIC CARTRIDGES

42 B 2837	T	RPX, 040A, 041A, 047, 047A, 050, 050A, 051, 051A, 052, 052A, 053, 053A, 016A, 063A, 145, 146, 147, UPX-111 (Head)	2.99
42 B 2843	PP	All Above; 4G040, 041, 050, 052, 053	2.99
42 B 2840	W	061, 063, VR11	2.99
42 B 2850	P	C-100 Stereo	2.99
42 B 2852	P	C-200 Stereo	2.99
42 B 2896	R	C-500, C-650	2.99
42 B 5508	S	VR-227	2.99

FOR GENERAL ELECTRIC CARTRIDGES (cont.)

Stock No.	Fig.	For Cartridge No.
42 B 5509	S	VR-225
42 B 5510	T	RPX Series (For Stereo/Mono Records)
42 B 5511	R	C-50, 500, 600, 650; RS6527

FOR JENSEN CARTRIDGES

42 B 2817	J	S, T, 90 Stereo
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FOR MAGNAVOX CARTRIDGES

42 B 2867	WW	560192-1, 2; 560207-1; 560214-1, 2; 560215-2
42 B 2813	J	560218-1, 2; 560219-2
		560176, 560180-1, 2, 3; 560209-1, 2; 560236-1
		560288-1, 2
42 B 2829	L	560232-1; 560233-1, 3, 4, 5; 560250-1, 3;
		560290-1, 3
42 B 2811	H	560310; 560340-1
42 B 2825	C	560344; 560345

FOR PHILIPS CARTRIDGES

42 B 5512	C	AG-3306, 3310, 3224, 3230
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FOR PIEZO CARTRIDGES

42 B 2834	SS	Y-310
42 B 2836	TT	Columbia Vision 510, 514

FOR RCA CARTRIDGES

42 B 2813	J	103330; 105482; 106776; 108718
42 B 2875	AA	106770A; 106771A; 106960A; 108213A
42 B 2877	BB	110020; 110021
42 B 2820	H	115277; 115303; 115911
42 B 2824	RR	116932
42 B 2838	H	116931, 118918 White, 117330, RPW 2049
42 B 5513	X	RMP-203, 115059
42 B 5514	H	115276, 7; 115302, 3
42 B 5515	HH	115057, 115058, 118187
42 B 5516	J	RMP-204-9, 117330

FOR RONETTE CARTRIDGES

Stock No.	Fig.	For Cartridge No.
42 B 2813	J	DC-04; TC-200; TO-222; TO-284; TO-400
		DT-60; RA-248; RA-395, -1
42 B 2819	K	OV; T; T-1; 105; 106; BF-40 Stereo DC-04
		DC-122; DC-422; DC-500; SCW-395-1
42 B 5501	J	Mono and Stereo, Astatic, BSR, Varco

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FOR SHURE CARTRIDGES

7 RB	PC-6; WC-6; PC-7	2.99
8 BB	P-7, 8, 9; W9; WC10	2.99

FOR SONOTONE CARTRIDGES

9 EE	3T Series	2.99
3 FF	2T Series; 5T Series; 7T Series	2.99
5 EE	8TA-4S; 8TA-4SD; 8TA-4D	2.99
3 DD	18-T Stereo; 9T; 916T; 16T	2.99
7 LL	N21TSD	2.99
5 AA	20T	2.99
9 CC	21T, 22T, 23T, 24T, 35T, 43T	2.99

FOR TELEFUNKEN CARTRIDGES

0 GG	T20, 2, DS; T22/2	2.99
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FOR TETRAD CARTRIDGES

2 KK	620	2.99
KK	11S and 11D Series Needle	2.99
KK	21S and 21D Series Needle	2.99
KK	32S and 32D Series Needle	2.99
KK	33S and 33D Series Needle	2.99
KK	31S and 31D Series Needle	2.99
KK	41S and 41D Series Needle	2.99
KK	43S and 43D Series Needle	2.99
LL	A2S and A2D Series Needle	2.99
MM	C2S and C2D Series Needle	2.99
NN	E2S and E2D Series Needle	2.99

FOR VARCO CARTRIDGES

7 J	ST-100; ST-200 Stereo	2.99
3 J	TO-45(X)	2.99
5 F	CN60, 65, 67, 68, 70, 72, 75	2.99
7 GG	TN-02-H, HD	2.99
9 B	TO-4-B	2.99
3 WW	TN8US	2.99
1 CC	TN02H, TN02HD	2.99
2 D	TN4A, TN4B	2.99

FOR ZENITH CARTRIDGES

3 J	142-47; 142-84; 142-85; 142-86B; 142-95;	2.99
	142-96; 142-97; 142-125	
1 SS	142-99B; 142-101B; 142-107B Stereo	2.99
2 PP	142-150/151	2.99

NEEDLE-CARTRIDGE COMBINATIONS



ZENITH "COBRA ARM" PLUG-IN NEEDLE CARTRIDGES

Stock No.	Type No.	Zen. Type	Fig.	Stylus	EACH
42 B 5533	S-15780	Z-62	A	Syn. Sapphire	2.70
42 B 5534	S-15222	Z-61	A	Syn. Sapphire	2.70

DIAMOND PLUG-IN NEEDLE-CARTRIDGES

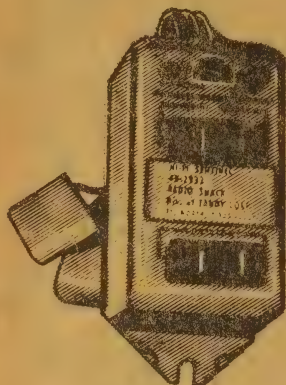
Stock No.	Type No.	Fig.	For Cartridge	EACH
42 B 5535	A-41SD	D	Astatic 81TX	4.17
42 B 5536	A-43SD	D	Astatic 89TX	4.77
42 B 5537	A-44XSL	D	Astatic 13TX Stereo	5.37
42 B 5538	E-36SD	E	E.V. 56DS	4.17
42 B 5539	E-37SD	C	E.V. 76DS	4.17
42 B 5540	E-46XSD	E	E.V. 66DS Stereo	5.97

SYNTHETIC-SAPPHIRE PLUG-IN NEEDLE-CARTRIDGES

Stock No.	Type No.	Fig.	For Cartridge	EACH
42 B 5541	A-41	D	Astatic 81T	2.37
42 B 5542	A-43	D	Astatic 89T	2.97
42 B 5543	A-44X	D	Astatic 13T Stereo	3.57
42 B 5544	E-36	E	E.V. 56	2.37

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HI-FI SENTINEL HELPS PROTECT AMPLIFIER CIRCUITS



5⁹⁵

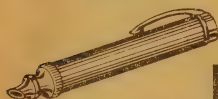


Your Changer
Turns Your
Amplifier Off

Turn your entire system off after last record is played. Simply plug the Sentinel connectors into those beneath your changer and plug your amplifier AC power into the Sentinel outlet. Can be used with Realistic Lab Series, BSR, Garrard and most other changers. Defeat switch lets you turn amplifier on manually. Auxiliary AC outlet. Mounts on changer or shelf. 4 3/4 x 2 x 1 1/4" AC.

42 B 2392. Shpg. wt. 1 1/2 lbs. 5.95

50-POWER STYLUS MICROSCOPE



1⁹⁹

50-power magnification microscope to inspect phono needles for signs of wear, chipping or breaking. Lets you know when it's time to change your stylus so the needle doesn't damage or permanently ruin your records. Will save you countless dollars in the long run by preventing damage to your records.

42 B 474. Shpg. wt. 4 oz. 1.99

CHANGER MOUNT STYLUS BRUSH

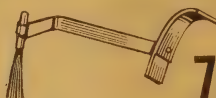


99¢

Now you can keep harmful grit and small particles of dirt from adhering to your needle and eventually causing the needle to chip by using our stylus brush. Mounts on changer and when tone arm returns after last record is played brush comes in contact and cleans the stylus.

42 B 746. Shpg. wt. 8 oz. 99¢

RECORD BRUSH AND TONE ARM LIFT



79¢

Amazing record brush clips on to any style tone arm to keep your records lint, dirt and dust free. Eliminates annoying static from records. Prevents stylus from picking up harmful grit. Automatic pressure control so there's no danger of changing tracking weight and permanently ruining a record.

42 B 1072. Shpg. wt. 4 oz. 79¢

STYLUS PRESSURE GAUGE



Too heavy a stylus pressure can easily ruin and distort the of your favorite record making the sound less than perfect. And eventually cost you replacing records. With gauge you can correctly tracking down to 2. Easy to use... no calculating needed.

42 B 2350. Shpg. wt. 4

45-rpm RECORD INSERTS



29¢

Package of 12 snap-in design 45 rpm record inserts for playing your favorite 45's. Save money on buying an expensive 45 rpm spindle. Allows you to automatically play numerous discs. Effortlessly pops out... no danger of cracking discs.

42 B 125. Shpg. wt. 2 oz. 29¢

RECORD SAVING DUST COVERS



89¢

Protect your records from dust and dirt even when they're being stored. 12x13" covers have round bottoms... provide excellent protection for your LP's. Slip easily over records... insert in LP jacket for even better protection.

42 B 1070. Wt. 1/4 lb. 89¢

PLATTER SPEED STROBE DISC

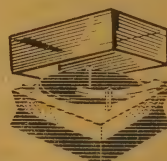


39¢

Your platter speed may be actually 33 1/2 rpm instead of 33 1/3 rpm and you've wondered why the sound is distorted. Now you can easily pinpoint the turntable speed and find if your favorite record is playing either too slow or too fast.

42 B 268. Shpg. wt. 4 oz. 39¢

ECONOMY PLAS CHANGER COVER



Records may be spotless and stylus free of grit, the flip side of your record will become loaded dirt and grime caused by turntable. So... to keep turntable clean, protect your changer cover. 17x

42 B 1069. Shpg. wt. 4

RECORDS SOUND NEW WITH OUR DELUXE CLEANING KIT



1⁹⁸

- A Must for Record Collectors
- Keeps Records Clean and Static-Free
- Includes Stylus and Record Brush

Now you can make your oldest (and probably the most) record reproduce the same enthralling hi-fi sound it did new! And not just once... but every time it's played by Realistic's record "survival kit." Not only do you get cleaning fluid and a velvet applicator to remove existing grime and static. You also get a stylus and record brush not only keeps your records clean while being played but your stylus virtually dirt free. This means your stylus longer and you save money by not frequently replacing needle. The kit is also safe and easy to use... cleaning contains no overly harmful nor dangerous chemicals don't have to worry about it getting on your hands or accidentally spilling on the rug or furniture (it evaporates quickly leaves no spots).

42 B 1085. Shpg. wt. 4 oz.

Realistic Record and Phono Accessories Make the Difference in Sound

EASY-TO-USE RECORD CLEANER SPRAY

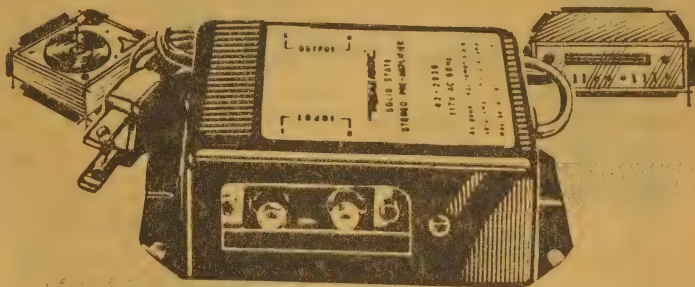


99¢ Comes with Free Record Cleaning Cloth

... to the deepest grooves of your ... with a fine spray to really bring ... original hi-fi sound. Non-toxic ... quickly dissolves dirt and grit ... lens lint and grime on contact. Quick ... to apply ... all you do is spray on ... inner ... wait a few seconds while it ... the dirt ... then wipe the record ... with the free record cleaning cloth.

400. Shpg. wt. 1 lb. 99¢

REALISTIC STEREO PREAMP FOR FINE SOUND



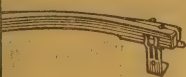
895

- Compact size ... only 2 1/2 x 4 x 1 1/2"
- Dependable All Solid-state circuitry
- Economical ... low current-drain circuit

You'll hear "true-to-life" stereo hi-fi, through an amplifier with aceramic input, connected to a changer with a magnetic cartridge by our Stereo Preamplifier. Allows you to play even the most expensive and quality engineered changer through an inexpensive console, amplifier or radio for enthralling sound. It's easy and simple to accomplish ... all you do is plug the output jack from your changer into the stereo preamp input ... and plug the stereo preamp output jack into the component phono jack. And when the job is done you'll get the beautiful wide-range stereo response only a magnetic stereo cartridge can provide. Distortion will be at a minimum ... you won't be able to detect wow, flutter or rumble. The frequency response will be increased in both the bass and treble range to achieve the ultimate in stereo reproduction. Nicely styled unit blends well with any type of stereo components ... measures only 2 1/2 x 4 x 1 1/2" for inconspicuous placement in your component setup. Update your system with this easy-to-use preamp. AC.

42 B 2930. Shpg. wt. 1 lb. 8.95

NO PICKUP ARM WITH CARTRIDGE



229

ical replacement for ... tone arm and cartridge ... mono phono portable ... regular phono. 8" finger ... mover arm, cartridge. ... phire styli plays LP's ... and 78's (3 mil).

4. Shpg. wt. 4 oz. 2.29

STEREO PICKUP ARM WITH CRYSTAL CARTRIDGE



299

8" adjustable arm, finger lift, offset head. 2 1/2-volt output crystal stereo cartridge with dual sapphire styli for playing both LP and 78. Perfect replacement for your portable stereo phono.

42 B 128. Wt. 2 lbs. 2.99

CHEMICALLY TREATED CLEANING CLOTHS

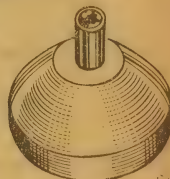


89¢

Package of 4 cloths for prolonging record life. Cloths lubricate, protect by depositing ultra-thin silicon film on surface ... repels dirt, dust, grit and grime. Completely anti-static for clear hi-fi.

44 B 1088. Shpg. wt. 4 oz. 89¢

45-rpm SPINDLE ADAPTER

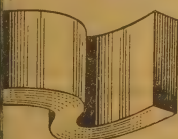


29¢

Now you can play your 45's on any phonograph with this adapter made of molded plastic. Ball slightly flattened on the side to firmly hold the 45. Hole in center expands or contracts enough to fit any LP spindle.

42 B 120. Shpg. wt. 4 oz. 29¢

GLASS ACOUSTIC INSULATION LINING

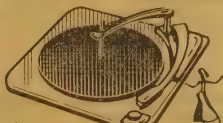


175

... contains full square ... 1" fiberglass insulation. ... aker enclosures to elimi- ... noying strident tone and ... better bass response. ... anger to stop acoustical ... k and tone arm bounce.

82. Wt. 2 lbs. 1.75

10" AND 12" PHONO CUSHIONS



10" Size 69¢

Polyester foam turntable mat cushions records to help prevent discs slipping (major cause of scratched records). Also helps eliminate annoying motor rumble. Shpg. wt. 4 oz.

42 B 360. 10" size. 69¢

42 B 361. 12" size. 79¢

CLIP-ON RECORD BRUSH



39¢

Handy record brush snaps on quickly to clean records of dirt, grime and grit as they play. A must for true stereo lovers who want records to remain as true sounding as the day they were bought.

42 B 1073. Shpg. wt. 4 oz. 39¢

ENDURO-CLEAN CLEANING PAD

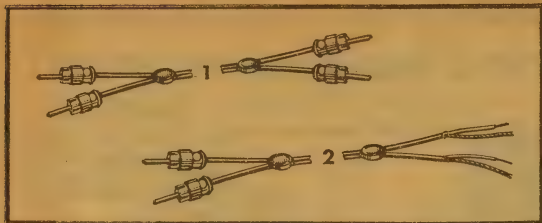


88¢

Chemical properties that make Enduro-Clean better are a product of space-age research. Discharges static electricity. Put record on turntable, wet pad, wipe following grooves.

42 B 121. Shpg. wt. 4 oz. 88¢

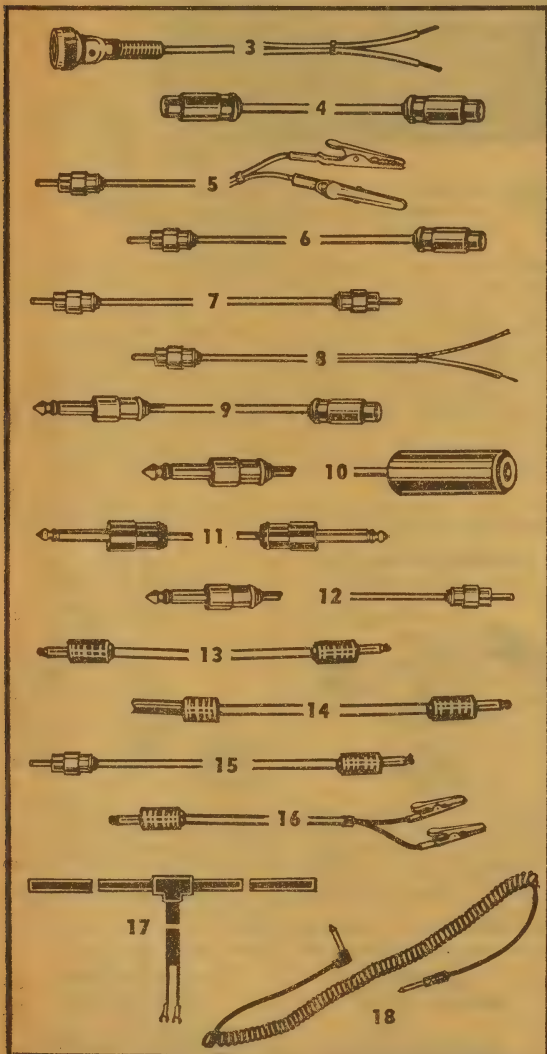
Realistic Indestructible Audio Cables for Every Use



MOLDED STEREO CABLE ASSEMBLIES FOR EASY HOOK-UP

Shielded stereo cables for quick, easy connections. Plugs are coded for correct hook-up the first time. Single grey cable 5' from each end for separate plugs.

Stock No.	Fig.	Description	In.
42 B 2351	1	2 Straight Phono Plugs at Each End	36
42 B 2352	1	2 Straight Phono Plugs at Each End	72
42 B 2353	2	2 Straight Phono Plugs at One End; 2 stripped and tinned ends	72



MOLDED CABLE ASSEMBLIES

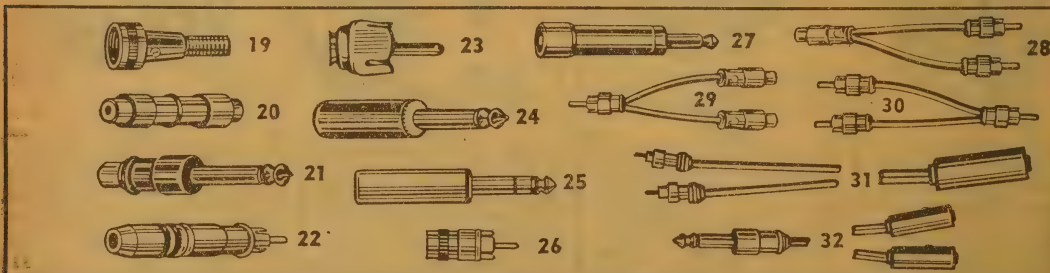
Multipurpose flexible cable for every application. All cable grey, shielded except Fig. 5 (parallel wires for speaker connection). Fig. 17 (FM antenna). Fig. 18 (black coil cord, shielded).

Stock No.	Fig.	Description	In.
42 B 2357	3	Mike Connector to Stripped, Tinned Ends	72
42 B 2358	4	Phono Jack to Phono Jack	72
42 B 2359	5	Phono Plug to Alligator Clips	144
42 B 2361	6	Phono Plug to Phono Jack	36
42 B 2362	6	Phono Plug to Phono Jack	72
42 B 2363	6	Phono Plug to Phono Jack	144
42 B 2365	7	Phono Plug to Stripped/Tinned Ends	18
42 B 2366	7	Phono Plug to Phono Plug	36
42 B 2367	7	Phono Plug to Phono Plug	72
42 B 2368	7	Phono Plug to Phono Plug	144
42 B 2370	8	Phono Plug to Stripped/Tinned Ends	36
42 B 2371	8	Phono Plug to Stripped/Tinned Ends	72
42 B 2372	8	Phono Plug to Stripped/Tinned Ends	144
42 B 2377	9	Phone Plug to Phone Jack	72
42 B 2378	10	Phone Plug to Phone Jack	144
42 B 2381	11	Phone Plug to Phone Plug	72
42 B 2373	12	Phone Plug to Phone Plug	72
42 B 2420	13	Miniature Phone Plug to Miniature Phone Plug	72
42 B 2472	14	Miniature Phone Plug to Miniature Phone Jack	72
42 B 2444	15	Miniature Phone Plug to Phono Plug	72
42 B 2421	16	Miniature Phone Plug to Alligator Clips	72
42 B 2385	17	FM Antenna	72
42 B 2473	18	Coiled Guitar Cord: 35', Extends to 15'; Phone Plugs	180

ADAPTERS AND CONNECTIONS

All adapters are made of high-strength, lightweight plastic molded for long life and noise-free operation.

Stock No.	Fig.	Description
42 B 2355	19	Microphone Connector, Female/Male
42 B 2404	20	Phone Plug to Phono Plug
42 B 2405	21	Phone Plug Output, Phono Jack Input
42 B 2414	22	Phone Jack Input to Phono Plug Output
42 B 2417	23	Phono Plug, Pack of 5
42 B 2425	24	Phone Plug, Screw Terminals
42 B 2391	25	Stereo Phone Plug, Screw Terminals
42 B 2390	26	Shielded Phono Plug, Pack of 2
42 B 2429	27	Adapter, Phono Plug to "Tiny Plug"
42 B 2435	28	Y-Adapter: 2 Phono Plugs Connected to 1 Phono Jack, 4' Shielded Cable
42 B 2436	29	Y-Adapter: Phono Plug Connected to 2 Phono Jacks; 3' Shielded Cable
42 B 2438	30	Y-Adapter: 3 Phono Plugs Connected to 4' Shielded Cable
42 B 2471	31	Y-Adapter: 3-Conductor (Stereo) Phone Jack to 2 Phono Plugs
42 B 2448	32	Y-Adapter: 3-Conductor (Stereo) Phone Plug to 2 3-Conductor Phono Jacks



Realistic Headphones and Earphones at Low Cost



OST HEADPHONES

Headphones for Amad and shortwave listen-
etal headband is
adjustable. Ear-en-
sing cushions block
racting noise. With
and standard 1/4-in.
ohms.

98. Wt. 1 lb. 2.49

IO EARPHONES



y transistor radio.
Hz. 10 ohms. Plas-
band. 3 oz.
5, 1/2" plug.... 98¢
4, 3/2" plug.... 98¢



DUAL HEADPHONES

Low-cost headphones pro-
vide faithful sound repro-
duction for a variety of
applications. Contain heavy
chrome steel magnets. Com-
fortable vinyl headband,
tip plugs and adjustable
earphones. 200 ohms.

33 B 180. Wt. 3/4 lb. 2.49

PILLOW SPEAKER



Very thin precision speaker.
Has miniature phone plug
and jack to install it your-
self. 100-14,000 Hz.
33 B 206. Wt. 1/2 lb. 1.89



5⁹⁵

DELUXE 8-OHM HEADSET

Designed especially for
Realistic "PRO" and "DX"
monitor receivers. Adjust-
able headband, air-cush-
ioned earpads for extra
comfort. With cord, 1/4-in.
phone plug. Wt. 1 1/2 lbs.

279 B 200..... 5.95

20' EXTENSION CORD



Extra long 20-foot exten-
sion cord for miniature ear-
phone having 1/8-in. plugs.
Shpg. wt. 1/4 lb.
33 B 176..... 98¢

NOVA-FONE™ EARPHONE/ SPEAKER

299

Comfortable,
Lightweight
8-Ohm Speaker



- Plugs into Radios, TV's
and Tape Recorders
- Response: 30-14,000 Hz

New for '71! Realistic presents a break-
through in earpiece listening comfort.
Not an earphone with a tip that fits into
the ear—Nova-Fone is a dynamic 8-ohm
speaker with a specially built, 50-
micron thick diaphragm enclosed in an
over-the-ear plastic sound shield.
1/4-in. miniature phone plug.... 2.99

33 B 1036. Shpg. wt. 1/4 lb. 2.99

ELPA/WATTS RECORD CLEANING EQUIPMENT AND CUING DEVICE

HUMID MOP RECORD CONDITIONER



Humid Mop was specially designed
to clean and maintain the Watts Preen-
arastat and Dust Bug (listed at...
). Removes foreign matter from
records, which accumulates after
long use. With extra sponges and in-
structions. Shpg. wt. 4 oz.
6639. .3.50

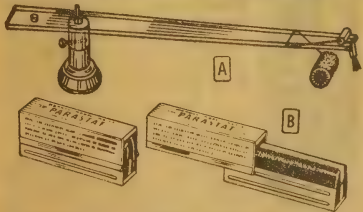
PROTECTIVE STYLUS CLEANER



Protects your valuable records. Keeps
stylus scrupulously clean. Pad
removes all foreign matter, yet will not
scratch stylus. Pad of cleaning material
made of close-pile nylon-velvet ribbon.
Includes instructions.
6638. Shpg. wt. 3 oz. 1.25

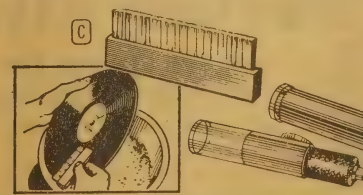
RECORD CARE BOOKLETS

PROFESSIONAL METHODS FOR
RECORD CARE AND USE. Book-
let by Cecil E. Watts, authority
on record care, supplies com-
bined experience of professionals
on methods for cleaning records,
proper care of stylus, etc.
42 B 6641. Wt. 1 1/2 oz. 50¢
HOW TO CLEAN, MAINTAIN AND
PROTECT RECORDS. Cecil E.
Watts. Explains dust static,
theory of static behavior, how
to handle, rejuvenate records.
42 B 6640. Wt. 1 1/2 oz. 25¢



A AUTOMATIC "DUST BUG." For manual
turntables. Keeps records free from
dust. Plastic arm with nylon brush, dust-
collector pad mounts on end of pickup arm.
With pad, cleaning fluid (extra fluid below).
42 B 6642. Shpg. wt., 8 oz. 6.50
42 B 6643. ANTISTATIC FLUID. 2 oz. 2.50

B MANUAL PARASTAT. Removes dust, grit
and residue deep inside record grooves.
Elliptical nylon bristles encased in wood.
42 B 6644. Shpg. wt., 8 oz. 15.00



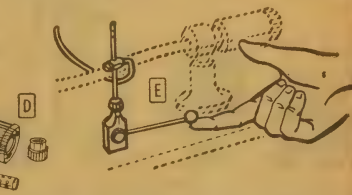
C RECORD WASH BRUSH. Restores brilliant
"highs," rejuvenates old records, re-
moves background noise by deep cleaning.
Each bristle micro-ground to elliptical
shape. With instructions.
42 B 6645. Shpg. wt., 2 oz. 3.50

D "PARASTATIC PREENER" DUST REMOVER.
Get your records really clean. Rub
wetted center wick of brush over rotating
record. Chemical process cleans them like
new. Safe to use, leaves no damaging film.
Extends record life. Size, 5 1/2 x 6 1/4".
42 B 6646. Shpg. wt., 6 oz. 4.00



HI-FI PARASTAT KIT

Meets stringent demands imposed by low-
pressure elliptical styli. For new records
only or those in new condition. Cleans com-
pletely sharp corners and minute high-fre-
quency configurations in record grooves.
Establishes correct degree of humidity at
working surface of record to relax static
charge. Includes case with humidifier, anti-
static fluid and dispenser, distilled water
and dispenser, stylus cleaner.
42 B 6647. Shpg. wt., 8 oz. 15.00



E ORTOFON "HI-JACK" CUING DEVICE. Preci-
sion instrument specially designed for
manual turntables. Permits you to raise
and lower turntable pickup arm without
touching it. "Floats" the arm to the record
at precisely the right spot.

Accurate safety device prevents damaging
needles or scratching records through
human mishap. It's a "must" for those who
want maximum protection for high-value
diamond needles and valuable, irreplaceable
records. Installs in seconds.
42 B 6648. Shpg. wt., 12 oz. 10.00



ACOUSTIC INSULATION FOR SPEAKER ENCLOSURES

Prevents reverberation and distortion caused by standing waves created in-
side speaker enclosure. Improves performance of virtually any enclosure.
Numerous other uses—insulating automobile from engine and road noises, etc.
Cuts into any shape, presses into place with glue. Fireproof. 1/2 x 12 x 72".
42 B 6649 X. Foam Rubber. Shpg. wt., 1 1/2 lbs. 1.98
42 B 6650 X. Fiberglass. Shpg. wt., 1 1/2 lbs. 1.32

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duction to basic theory in simple language; easy to build projects. (7) Your Tape Recorder: helps you make better tapes; microphone and off-recording, dubbing, editing, effects. (8) Understanding Schematic Diagrams: symbols, reading schemes, functions of components. (9) Understanding and Using Your Oscilloscope: interesting new book gives theory, use of associated equipment. (10) How to Build Electronic Kits: tells kits available; how to select kit; follow instructions. (11) All About Fidelity and Stereo: explains principles of stereo components, sources, recorders, kits. (12) Best to Use Your VOM-VTVM: explains methods of testing components, functions, shunts, multipliers. (13) Integrated Circuits: comprehensive treatment both a theoretical and practical point; projects. 62 B 7299 EP. Postpaid in U.S.A.

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**HOWARD
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TEXTS**



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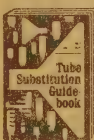


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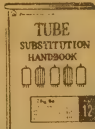
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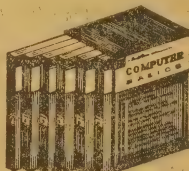
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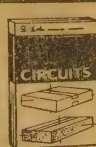
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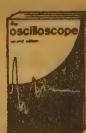


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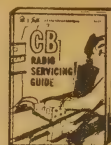
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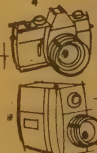
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010-046	5	290-292	5	407-409	4	479	2	575-579	5	719-729	4	840-849	6
047	6	293	4	410	3	480-489	3	580-581	4	730-739	5	850-854	7
048-098	5	294-295	5	411-419	4	490-491	2	582-589	5	740-744	4	855-863	6
100-129	5	296-297	4	420	3	492	3	590-591	6	745	5	864	7
130-132	4	298-299	5	421-422	4	493-495	2	592-593	5	746	4	865-880	6
133-139	5	300-303	4	423-424	3	496-499	3	594-599	6	747-748	5	881	5
140-179	4	304	5	425-426	4	500-504	3	600-605	1	749	4	882-883	6
180-199	5	305-307	4	427-438	3	505	4	606	Local	750-778	5	884-889	5
200-215	4	308-329	5	439	4	506-507	3	607-609	1	779-785	6	890-899	7
216	5	330-334	6	440-443	3	508-519	4	610-619	2	786-787	5	900-933	7
217	4	335-338	5	444-447	4	520	2	620-636	3	788	6	934	8
218-219	5	339-349	6	448-456	3	521-526	3	637-649	4	789-796	5	935-938	7
220-232	4	350-359	4	457	4	527-539	2	650-652	3	797-799	6	939-951	8
233-238	5	360-361	5	458-459	3	540	4	653-675	4	800-812	5	952-953	7
239-274	4	362	4	460-462	2	541-547	3	676-679	5	813-819	6	954-955	8
275-279	5	363-369	5	463-464	1	548	4	680-689	4	820-823	5	956-961	7
280-282	4	370-389	4	465-469	2	549	3	690-699	5	824-825	6	962-969	8
283-285	5	390-396	5	470-472	3	550-558	4	700-715	5	826-828	5	970-994	7
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3	.50	.65	.70	.75	.85	.95	1.05	1.10
4	.55	.70	.75	.85	.95	1.10	1.20	1.25
5	.55	.75	.80	.90	1.05	1.25	1.40	1.45
6	.55	.80	.90	1.00	1.15	1.40	1.55	1.60
7	.60	.90	.95	1.10	1.30	1.50	1.75	1.80
8	.60	.95	1.00	1.15	1.40	1.65	1.90	2.00
9	.65	1.00	1.05	1.25	1.50	1.80	2.05	2.15
10	.65	1.05	1.15	1.35	1.65	1.90	2.25	2.30
11	.65	1.10	1.20	1.40	1.75	2.00	2.40	2.50
12	.70	1.15	1.25	1.50	1.85	2.15	2.55	2.65
13	.70	1.20	1.35	1.55	1.95	2.25	2.70	2.80
14	.75	1.25	1.40	1.65	2.05	2.40	2.85	3.00
15	.75	1.30	1.45	1.75	2.15	2.50	3.00	3.10
16	.75	1.35	1.55	1.80	2.25	2.60	3.15	3.25
17	.80	1.40	1.60	1.90	2.35	2.75	3.30	3.40
18	.80	1.45	1.65	1.95	2.45	2.85	3.45	3.55
19	.85	1.50	1.75	2.05	2.55	2.95	3.60	3.70
20	.85	1.55	1.80	2.10	2.65	3.10	3.75	3.85
21	.85	1.60	1.85	2.15	2.75	3.20	3.90	4.00
22	.90	1.65	1.90	2.25	2.80	3.30	4.05	4.15
23	.90	1.70	1.95	2.30	2.90	3.40	4.20	4.30
24	.95	1.75	2.00	2.35	3.00	3.55	4.35	4.45
25	.95	1.75	2.05	2.45	3.05	3.65	4.50	4.60
26	.95	1.80	2.05	2.50	3.15	3.75	4.65	4.75
27	1.00	1.85	2.10	2.55	3.25	3.90	4.80	4.90
28	1.00	1.90	2.15	2.60	3.35	4.00	4.90	5.00
29	1.05	1.90	2.20	2.70	3.40	4.10	5.05	5.15
30	1.05	1.95	2.25	2.75	3.50	4.20	5.20	5.30
31	1.05	2.00	2.30	2.80	3.60	4.35	5.35	5.45
32	1.10	2.05	2.35	2.90	3.65	4.45	5.50	5.60
33	1.10	2.10	2.40	2.95	3.75	4.55	5.65	5.75
34	1.15	2.10	2.45	3.00	3.85	4.65	5.75	5.85
35	1.15	2.15	2.50	3.05	3.95	4.80	5.90	6.00
36	1.15	2.20	2.55	3.15	4.00	4.90	6.05	6.15
37	1.20	2.25	2.60	3.20	4.10	5.00	6.20	6.30
38	1.20	2.25	2.65	3.25	4.20	5.10	6.35	6.45
39	1.25	2.30	2.70	3.35	4.25	5.25	6.45	6.55
40	1.25	2.35	2.75	3.40	4.35	5.35	6.60	6.70

Parcel Post fees shown are the rates in effect at press time. Rate subject to change.

Items not mailable by Parcel Post are sent Truck or Express

Items with a stock no.
ending in U, W or Z
are sent by Truck
or Express

These items cannot be sent Parcel Post because of Post Office size or weight restrictions or because of their fragile nature. Items with a stock no. ending in U are oversize for mail or are fragile and are usually sent Express. The letters W and Z indicate heavier items that are usually sent by Truck. Express rates generally include home delivery in urban areas; in some cases this also includes rural areas. Further information on Express shipment is available by phoning your local REA Express office.

Use this table to estimate REA Express rates

Shipping weight in pounds	Chicago	ZONES 1 & 2 Local to 150 mi.	ZONE 3 151 to 300 mi.	ZONE 4 301 to 600 mi.	ZONE 5 601 to 1000 mi.	ZONE 6 1001 to 1400 mi.	ZONE 7 1401 to 1800 mi.	ZONE 8 Over 1800 mi.
5	6.00	6.85	7.30	8.30	9.75	10.90	12.00	13.10
50	6.25	7.75	8.45	9.90	12.10	13.85	15.45	17.15
75	6.70	8.60	9.65	11.50	14.40	16.70	18.90	21.25
100	7.10	9.45	10.75	13.10	16.65	19.50	22.30	25.10
Over 100 lbs., 1 per lb.	7¢	10¢	11¢	13¢	17¢	20¢	22¢	25¢

Use this table to estimate Truck rates

In most areas of the country, a residential delivery charge is added to the normal truck rates when delivery is to be made directly to a residence. This charge is usually between \$5.00 and \$5.50.

Shipping weight in pounds	Local to 150 mi.	151 to 300 mi.	301 to 600 mi.	601 to 1000 mi.	1001 to 1400 mi.	1401 to 1800 mi.	Over 1800 mi.
Under 100 lbs.	6.07	6.51	7.34	8.14	8.96	9.33	11.18
Over 100 lbs., 1d per lb.	3¢	5¢	6¢	7¢	8¢	10¢	12¢

Rush orders can be shipped Air Freight or Air Parcel Post

If you wish, we can rush your order via air freight, Air Parcel Post or postal agent for shipping rates. On cash orders, include shipping charges with your remittance.

Important information about items sent direct from factory

Items with a stock no.
ending in F are sent
direct to you from
the factory

Factory shipped items are usually sent by truck or express. They cannot be sent C.O.D. If our stock no. ends with the letter F (90 B 1234 ZF, for example), be sure to estimate the shipping fee for that item upon the distance from your location to the factory. The description of each factory shipped item includes the location of the factory. Shipping fees are collected upon delivery by the carrier, on both cash and Credit orders.

You don't need to figure
shipping fees at all
when you use our
Credit Fund Plan

Another good reason to take advantage of Allied Radio Shack's convenient Credit Fund Plan. When you buy on credit, our transportation experts ship the best and most economical way for you, prepay the fees and include them in your credit statement. (This policy does not apply to factory shipped items, see paragraph above.) It makes shopping by mail the easiest way to buy of all.

ALLIED RADIO SHACK

GUARANTEES SATISFACTION WITH YOUR PURCHASE

SERVICE AND REPLACEMENT GUARANTEE

If you are dissatisfied with your mail purchase and no local Allied Radio Shack store or other facility exists (see Local Service Facilities below), you may return it to us for exchange or credit or refund up to 30 days from purchase date, as described below. Exclusions: kits (see separate kit guarantees at right), books, crystals, phono styli (needles), Special Order items, or any item which has been tampered with or abused or is not returned complete with all accessories and in original carton. *There are 850 Allied Radio Shack stores, coast to coast, serving as Repair Stations*—most problems can be better and more quickly solved by inspection and discussion at one of these stores. Our minimum guarantee against defective goods is 90 days; during this period we will repair or replace at our option, including all parts and labor costs but excluding transportation costs.

If it is necessary to write to us

We return your order papers with an invoice that summarizes prices and transportation charges. If you write to us about your order, be sure to include all order papers and any correspondence that we have returned to you. If you don't have the order papers, provide us with the Stock Nos. and descriptions of the merchandise, the name and address that appeared on the original order, and the date of the order.

If it's necessary to return merchandise by mail

Parcel Post. Place instructions, all papers and correspondence in an envelope inside package. Mark "First Class Mail Enclosed" and add extra postage for letter. For your own protection, insure the package for full value.

Returned merchandise should be shipped to Allied Radio Shack prepaid, insured in its original factory carton. All papers, correspondence, instructions, etc. must be included. Also be sure to return all accessories that came with merchandise (such as test equipment probes, cases, booklets, manuals, cables and connectors, etc.). This will assure fastest possible adjustments with delays in handling.

KIT GUARANTEES

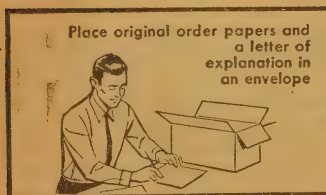
Kits Manufactured by Allied Radio Shack: Knight-Kit, Scribe Fair and Realistic. All parts in kits are guaranteed to be free from defects in material or workmanship for 30 days. During this period we will replace any defective part returned to us. Within the 90-day period, a completely wired kit may be returned to us pre-paid for repair and adjustment at the service and handling charge published in the warranty and service section of your kit manual.

Other Kits. Kits not manufactured by Allied Radio Shack carry the same guarantee as above, except that Allied Radio Shack does not repair or rewire them. They must be returned to the manufacturer, who will determine the charges where applicable.

Local service facilities

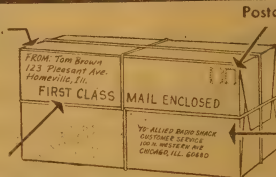
In many instances our suppliers maintain service facilities in the country. Be sure to read your instruction or parts manual. It is necessary to return merchandise for service, write in advance we can advise you if service is available in your locality. This especially applies to stereo high-fidelity components, tape recorders, radios and phonos, record players, and television receivers.

**SHIP PREPAID AND INSURED TO: Allied Radio Shack, Customer Service Dept.
100 N. Western Ave., Chicago, Illinois 60680**



Print name and address as on original order

Print this on package



Postage for package plus postage for letter

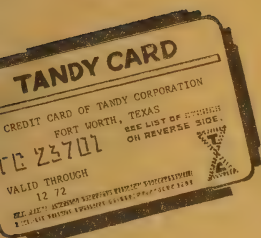
Address package to Allied

IF YOUR ORDER IS RECEIVED DAMAGED

If merchandise is received damaged, contact our Customer Service Department by letter for instructions. In the case of express or truck shipments, if there is apparent or obvious damage, be sure this is noted on the receipt when you sign for delivery. If you find concealed damage upon opening your shipment, retain

all packing materials (both internal and external) and contact carrier to obtain an inspection. Send all order papers, delivery receipt and inspection reports to us and wait for our instructions on how to return goods. All damaged goods must be returned via the same carrier that made the delivery.

Step up to better living with Allied Radio Shack's
CREDIT FUND Plan . . get what you need now with no money down
. send no money for 30 days and pay as little as \$10 monthly



Let us send you this
Credit Card for use at
any Allied Radio Shack
store, coast to coast

Any Corporation, parent
 company of Allied Radio
 Shack, invites you to apply
 for this handy card when you
 place an order in your credit order.
 It is just as good as cash at
 any of our 850 stores in 48
 states. No matter where
 you are—on a trip, vaca-
 tioning, any place there is
 an Allied Radio Shack store.

Get eight important buying advantages

- 1. No money down.** Buy whatever you want to the full limit of your Credit Fund. Nothing to pay for 30 days. See terms below.
- 2. Continuous buying power.**—Your Credit Fund is a sum of credit listed by Allied Radio Shack under your name. Use it any time . . to buy what you need, when you need it.
- 3. Small monthly payments.**—We spread your payments to make them easy on your budget. See terms below.
- 4. Permanent and self-replenishing fund.**—Your purchases are charged against your Credit Fund, but every payment you make reduces the balance due and increases your credit. Your account is always ready for you to use over and over again.
- 5. Make add-on purchases anytime.**—No need to complete payments on a previous purchase before making a new purchase. Just say "Charge it". After your first order, your signature is all you need to make future purchases. In many cases there is no increase in your monthly payment.
- 6. You always know where your account stands.**—No complicated records for you to keep. You get a complete statement each month showing your purchases, payments, unpaid balance, and most important—the amount of unused credit remaining in your account for Add-On purchases.
- 7. Use your Credit Fund as a 30-day charge account.**—There is never a service charge when you pay in full within 30 days. See terms below.
- 8. Shopping is quicker and easier.**—In most cases you need not figure freight or delivery charges—we prepay them and include them in your statement.

To open your Credit Fund Account . .

Just fill in the application on the back of our order blank and send it in with your order for credit approval. Credit Fund accounts available only to permanent residents of the 50 United States and members of U.S. Armed Services overseas. If you are under 21 have the head of your household fill out, and sign, the application.

Only your signature on Add-On orders . .

You can "add-on" orders at any time with no money down. Just sign your order in the space provided (minimum order \$10). Determine your monthly payment this way:

- 1.** Add amount of "add-on" order to your present unpaid balance.
- 2.** Divide your new balance by 24.
- 3.** If the monthly payment is the same or less than the amount you are currently paying, no change in your monthly payment is required.
- 4.** If monthly payment for your "add-on" order, plus your present unpaid balance is more than you now pay, we will show the new monthly payment on your next statement.

CREDIT TERMS AND FINANCE CHARGE

Purchases are billed on a statement sent to you once each month as of a stated billing date. At the time you have the choice of paying in full or paying monthly. Your payments will be a minimum of \$10 monthly or 1/24 of the balance, whichever is greater. The balance on which finance charges are assessed each month is the closing balance at the previous billing date. If payment of this balance has been received within 30 days after the previous billing date, no finance charge is assessed. If not, the periodic rate of 1½% is applied to obtain the current month's finance charge, after which the current month's payments, charges, and credits are credited. Exception: When the finance charge, computed as described above, amounts to less than 50¢, the month's charge will be 50¢. **FINANCE CHARGE: PERIODIC RATE is 1½% per month—50¢ minimum. ANNUAL PERCENTAGE RATE:** The periodic rate of 1½% per month is an annual percentage rate of 18%.

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Allied Radio Shack CREDIT FUND Account



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NOTICE TO BUYER: RETAIL CHARGE AGREEMENT

Do not sign this contract before you read it, or if it contains any blank space. You are entitled to retain a copy of this agreement. Under the law, you have the right among others, to pay off in advance the full amount due.

RETAIL CHARGE AGREEMENT

ALLIED RADIO SHACK, Chicago, Illinois 60680. Please open a Credit Account for me. I agree that each purchase made under this contract will be subject to the following terms: Until the merchandise is fully paid for, title to and right to possession of the merchandise shall remain in you. Upon default in payment of any installment of the purchase price, you may without notice declare the entire balance immediately due and payable, and pursue all remedies available to you by law. I shall pay an installment each

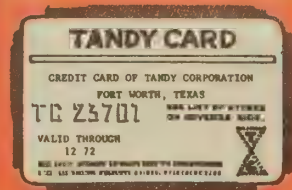
month as billed by you, which will include a finance charge in accordance with the terms stated above, and if I elect to pay the full account within 30 days after the first billing date, there will be no finance charge. This agreement shall be governed by and construed in accordance with the laws of the State of Illinois. For the purpose of obtaining credit, I make the following representations listed below:

ACCOUNT AGREEMENT: (If Add-On order, just sign on other side—no questions to answer)

If you are under 21, the head of the household must fill out and sign application. Credit available only to permanent residents of the 50 United States and members of the U. S. Armed Services overseas. To avoid delay, print or type answers to ALL questions, then be sure to sign application (X).

SIGN FULL NAME (X) _____ DATE _____

<input type="checkbox"/> MR. <input type="checkbox"/> MRS. <input type="checkbox"/> MISS		FIRST NAME	MIDDLE NAME	LAST NAME	AGE	SPOUSE FIRST NAME		SINGLE MARRIED SEPARATED		<input type="checkbox"/> WIDOW <input type="checkbox"/> DIVORCED	Do Not Write Here
PRESENT ADDRESS		STREET			CITY	STATE	ZIP CODE	PHONE	NO. OF CHILDREN		
HOW LONG AT PRESENT ADDRESS		OWN HOME RENT FURN. <input type="checkbox"/>		RENT UNFURN. ROOM & BOARD <input type="checkbox"/>	RENT OR PAY'MT. \$ _____	TIME IN AREA	MORTGAGE HOLDER AND/OR LANDLORD ADDRESS				
PREVIOUS ADDRESS		STREET			CITY	STATE	HOW LONG	DRIVERS LICENSE NO.			
EMPLOYER					POSITION					HOW LONG	
BUSINESS ADDRESS					PHONE					MONTHLY EARNINGS	
PREVIOUS EMPLOYER			ADDRESS			POSITION			HOW LONG	DRAFT STATUS	
SPOUSE'S EMPLOYER			ADDRESS			PHONE			HOW LONG	MONTHLY EARNINGS	
HUSBAND'S NEAREST RELATIVE			ADDRESS			PHONE			HUSBAND'S SOCIAL SECURITY NO.		
IF YOU ARE NOW IN MILITARY SERVICE GIVE MILITARY ADDRESS									RANK		
SERIAL NO.		COMMANDING OFFICER			YOUR TIME IN SERVICE YRS. MOS.		PAY GRADE		ETS DATE MO. YR.		
BANK		BRANCH			CHECKING SAVING LOAN <input type="checkbox"/>		AUTO FINANCED BY		ADDRESS		
CREDIT REFERENCES						ADDRESS		ACCOUNT NUMBER	PAYMENTS	BALANCE	



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Rush my card.

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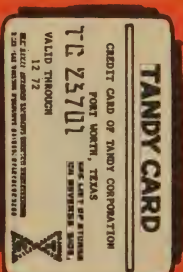
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Sencore performance-proven Test Instruments



Was \$84.50

In Last Year's Catalog

Now only

69⁵⁰

"Mighty-Mite V" Tube Tester

Sencore TC142. This cathode-emission tester is designed to meet all the requirements modern TV, radio, and Hi-Fi service demands. It provides the professional part-time serviceman with everything he needs for versatile, reliable, quick-checking. The compact size is smaller and lighter than a portable typewriter, giving the technician complete mobility. The tester can accurately handle over 3000 types of tubes including compactrons, novars, nuyistors, frame types, and the latest type tubes used in color TV's. A magnoval socket tests such tubes as 6FG6, 6BG5, 9ED4, etc. Grid leakage is measured with a 100-megohm VTVM circuit plus an accurate stethoscopic type short circuit. Vinyl covered steel case with brushed chrome face panel, and detachable top for long wearing durability. 10x9x3 1/2". AC. 22 B 6001 X. Shpg. wt. 9 lbs.



NEW!
"Mighty-Mite VI"
solid state
Tube Tester

99⁵⁰

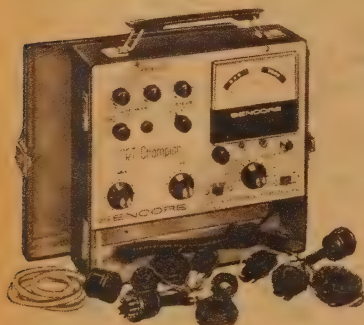
Sencore TC154. Solid-state circuit gives you "instant on" action so your equipment is ready when you are. Pushbutton controls for fast readouts. The FET balanced bridge circuit provides increased accuracy. Checks over 3000 different tubes including Compactrons, Nuyistors, Novars, frame grid types, latest ten-pins and magnovals. Gives cathode emission test with full load current. The stethoscopic shorts test has increased sensitivity over tube type testers, and the unit has a 100-megohm grid leakage check. Vinyl-covered metal case, 10x9x3 1/2". AC. 22 B 6002 U. Shpg. wt. 9 lbs.



**Dynamic
mutual conductance
Tube Tester gives
laboratory accuracy**

269⁵⁰

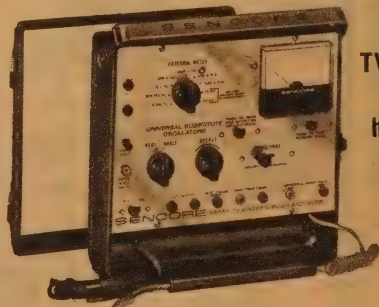
Sencore MU150 Dynamic Mutual Conductance Tube Tester. Combines speed with laboratory accuracy. It gives the user 10 independent tests to determine the condition of over 3000 foreign and domestic tubes, with full rated cathode current drawn from each one. It provides true G_m using 5000 Hz square wave. A 100 megohms grid leakage test. A stethoscopic test for shorts, and a life test to find intermittents and temperature sensitive failures. Vinyl-coated steel attaché case. Plastic-coated, tearproof test chart. 17x11x4". AC. 22 B 6003 U. Shpg. wt. 18 lbs.



**Color Picture Tube
Tester with easy
to use controls,
automatic tests**

119⁵⁰

Sencore CR143 Color Picture Tube Tester. This unit provides the technician with fast, accurate testing of both color and black and white picture tubes. Easy to use controls simplify testing procedures. It automatically checks color-tube guns at all settings of brightness control. Other features include a short test, emission test with pure DC, and a life test. The automatically controlled rejuvenation circuit brings low emission tubes back to life, removes shorts, equalizes color tube gun currents. Vinyl-covered metal case. 10x9x3 1/2". AC. 22 B 6004 U. Shpg. wt. 11 lbs.



**TV Sweep Generator
with universal
horizontal/vertical
oscillators**

99⁵⁰

Sencore SS137 TV Sweep Generator. This is the perfect unit for all of your sweep, synchronization, and HV work. The simple control system allows you to set the unit up for various functions easily and quickly with less chance of error. The universal horizontal/vertical oscillators substitute for the TV's own oscillators. The unit's other features include a vertical signal, 300 μ A meter for AC, p-p DC V, DC current, 2d and 30 kV. Comes complete with probe and leads for 115 V. Vinyl-covered case for complete portability. 9x10x3 1/2". AC. 22 B 6005. Shpg. wt. 10 lbs.

for the radio and TV technician

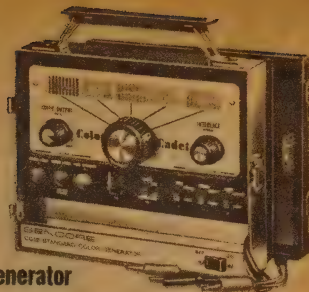
84⁵⁰



NEW! "Mini" Color Bar Generator

Sencore CG 19. Small in size but complete in every respect. Provides 10 standard color bars, horizontal and vertical lines, crosshatch, or adjustable white dot pattern. Printed circuit board is the same as the most expensive Sencore generator. Only a RF cable to plug in, timers are available on the bottom of unit if needed. RF tunable from channel 2 thru 6. Requires 5.6 V mercury batteries (NEDA 1404). 8 1/4 x 5 1/2 x 2 1/4". B 6006. Shpg. wt. 3 lbs. **84.50**

Color Cadel
129⁹⁵



Standard Color Bar Generator

Sencore CG 18. This battery powered generator provides complete portability while giving you 10 standard keyed color bars, 10 vertical lines, 14 horizontal lines, crosshatch, and adjustable white dot pattern. Solid state; crystal-controlled. The unit provides snap tuning for channels 2-6. Other features include an interlace control and 4.5 MHz sound carrier. 9 1/2 x 7 1/4 x 3 1/4". Requires eight "C" batteries. Vinyl-covered steel case. 22 B 6007 U. Shpg. wt. 7 lbs. **129.95**

Color King
Color Bar
Generator
169⁹⁵



Sencore CG 153. The only color bar generator that gives voltage regulation and pre-heating on all circuits for maximum stability. Has RCA licensed color bars, 14 horizontal lines, 10 vertical lines, adjustable white dot pattern, and an individual, movable single dot and single cross. Snap tuning for channels 2 through 6. Other features include interlace control, color gun interrupters, 4.5 MHz sound carrier. Solid state. 10 x 9 x 3 1/2". AC. B 6008 X. Shpg. wt. 9 lbs. **169.95**

Solid-state
Sweep & Marker
Generator
450⁰⁰

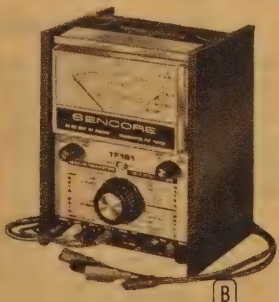


Sencore SM 152. All solid state construction. This unit aligns tuner, IF, chroma bandpass—each stage individually, or overall. Ultra flat linear sweep output on all channels from 10-920 MHz. Sweep width calibrated, 0.3-15 MHz; RF sweep, 10 μ V to 0.1 V. Pushbuttons select eight crystal controlled true post-injected IF markers. Two preset 3.58 MHz chroma outputs. 10" range dial. Only three cables to hook up. 13 1/2 x 9 1/2 x 5 3/4". AC. 22 B 6009 X. Shpg. wt. 15 lbs. **450.00**



A

4⁵⁰



B

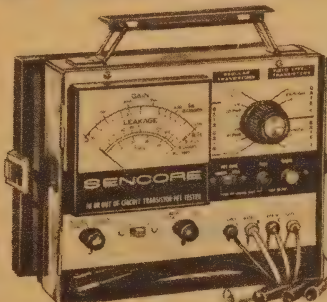
129⁵⁰

A Transistor and FET Tester

Sencore FT 155. Check all FET's in or out of circuit. This is a test companion for your present transistor tester. Enables you to do all the way in any circuit. Tests all FET's, MOSFET's, duals, and the new enhancement types. Check for transconductance, 1g1ss leakage and 1g2ss on dual gates. Special 1g1ss check for industrial culling of FET's. Book in rear compartment for all FET's, 12,000 transistors. 9 1/2 x 7 1/2 x 6". AC. B 6010 X. Shpg. wt. 9 lbs. **94.50**

B Compact Transistor/FET Tester

Sencore FT 151. A new updated version of Sencore's popular circuit tester that checks all transistors and FET's in or out of circuit. Checks transistors in or out of circuit for AC Beta, out of circuit for I_{cbo} leakage. Has increased current check high-power transistors. A special gate 2 check is provided dual gate FET's. I_{dss} current checks for matching FET's or industrial culling. 6" meter. 9 1/2 x 7 1/2 x 6". AC. B 6012 X. Shpg. wt. 9 lbs. **129.50**



C

109⁵⁰

C Transistor and FET Tester

Sencore FT 17. This versatile, compact transistor/FET tester checks FET's in or out of circuit for true G_m gain in microhms. Checks transistors for AC current gain in Beta. The unit shows leakage of FET (I_{gss}) and transistor (I_{cbo}) in μ A. Provides a separate test for high-power and RF transistors; I_{dss} current check for matching FET's. 4 1/2" meter. Vinyl-covered steel case. Manual listing 12,000 transistors. 9 1/2 x 7 1/4 x 3 1/4". AC. 22 B 6011 X. Shpg. wt. 7 lbs. **109.50**

D TV-FM Field-Strength Meter



D

229⁵⁰

Sencore FS 134. This instrument is designed for field strength testing all channels, VHF, UHF, plus FM. Sensitivity: 30 μ V. Accuracy: VHF/FM, ± 3 dB; UHF, ± 6 dB. Calibration: 0-60 dB, 30-30,000 μ V, X1, X10, X100. IF/image rejection; over 50 dB VHF, 30 dB UHF. Input: 75 or 300 ohms, with built-in balun. Bandwidth: 500 kHz. Speaker. Operates on 9 "C" batteries, not included. Size, 9 x 10 x 5" deep. 22 B 6013 U. Shpg. wt. 9 lbs. **229.50**

Sencore Test Equipment for today's complex circuits



269⁹⁵ A

A Wideband Oscilloscope/Vectorscope

Model PS148. Combines high-sensitivity scope with vectorscope for complete troubleshooting and color TV chroma alignment. Vectrograph screen shows degree of chroma demodulation. Vertical amplifier: 10 Hz to 5.2 MHz, ± 3 dB; rise time, 0.055 μ sec; sensitivity, 0.017-V rms/in. Five sweep ranges: 5 Hz to 500 kHz. Input: 27 or 2.7 megs. Retrace blanking. Use with keyed color bar generator. 11x9x15 $\frac{1}{2}$ ". With probe. AC.

22 B 6014 U. Shpg. wt. 22 lbs. 269.95



169⁵⁰ B

B Battery/AC Field-Effect Multimeter

Model FE149. Pushbutton operated; 15-meg input on AC and DC; 7" mirrored scale. Has 16 DC ranges to 1500 volts; 8 zero-center ranges, 0.25V zero-center for transistor servicing; 8 AC ranges to 1500 volts rms, 8 ranges to 4500 volts p-p; 8 resistance ranges to 6000 megohms; 18 AC/DC current ranges to 5 amps; 8 dB ranges. Accuracy, $\pm 1.5\%$ DC, $\pm 3\%$ AC. Meter and circuits fully protected. Size, 9x7 $\frac{1}{2}$ x6". Requires batteries.

22 B 6015 U. Shpg. wt. 7 lbs. 169.50

22 B 6019. High Voltage Probe. Shpg. wt. 8 oz. 9.95



69⁹⁵ C

C High-stability Field Effect VOM

Model FE-14. Full protection on both meter and internal circuit. FET's in differential circuit for zero warmup time. 15-meg D input, 10 meg AC. $\frac{1}{2}$ -V zero-center scale. DCV/ACV rms: 0-1-10-30-100-300-1000. ACV p-p: 0-2.8-8.4-28-84-280-840-2800. Ohm 0-1000-10k-100k, 0-1000 meg. DC Current: 0-100 μ A, 0-1-10-1 mA, 1A. 4 $\frac{1}{2}$ " meter, 7 $\frac{1}{2}$ x5x3". Leads. Needs one 9-volt and one "C" battery. HV probe below.

22 B 6017. Shpg. wt. 4 lbs. 69.95



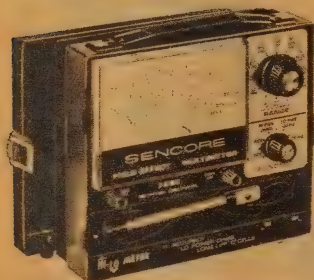
84⁵⁰ D

D High-accuracy Field Effect VOM

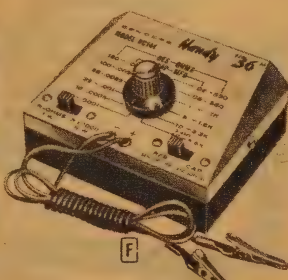
Model FE-16. Offers instant stability and zero warmup time plus full meter and circuit protection. Accuracy an excellent $\pm 1.5\%$ DC and $\pm 3\%$ AC. 4 $\frac{1}{2}$ " meter with mirrored scale; special meter-tilting metal handle. Low circuit loading—15-meg input on DC, 10-meg on AC. True zero-center scale. Ranges same as FE-14 above. Vinyl-clad steel case, 7 $\frac{1}{2}$ x5x3". With special shielded leads. Requires 9V, "C" batteries.

22 B 6018. Shpg. wt. 5 lbs. 84.50

22 B 6019. Model 39A-19 30 kV Probe. 8 oz. 9.95



129⁵⁰ E



199⁵⁰ F

E Hi-Lo Field-Effect Multimeter

Model FE20. Hi-Lo battery voltages. 15-meg input on DC, 10 meg on AC. Mirrored scale. 9 DC ranges from 0.1 volt to 1000 volts, 3kV, 10kV, 30kV ranges, 9 zero-center ranges from 0.05 volt to 500 volts; 9 AC rms ranges from 0.1 volt to 10 volts; 7 resistance ranges to 1000 megohms; 9 DC current ranges from 100 μ A to 1 amp. Accuracy, $\pm 1.5\%$ on DC, $\pm 3\%$ on AC. 9 $\frac{1}{2}$ x7 $\frac{1}{2}$ x3 $\frac{3}{4}$ ". Requires 7 "C" batteries. Leads, HV probe. 22 B 6020. Shpg. wt. 5 lbs. 129.50

F Handy "36" Component Substitutor

Model RC144. Provides 36 most often needed resistors, capacitors, and electrolytics for substitution testing or trying before installation. Has twenty-four $\frac{1}{2}$ -watt and 1-watt resistors from 10 ohms to 5.6 megohms; 10 capacitors from 100 pF to 0.5 μ F at 600 volts; two electrolytics 10 μ F at 50 and 40 μ F at 450 volts. Size 4x3x2". 22 B 6021. Shpg. wt. 12 lbs. 199.50

G Handy "75" Component Substitutor

Model RC146. Provides 75 values of resistors, capacitors, rectifiers for fast substitution. Has twelve 1-watt resistors from 10 to 5600 ohms; 12 $\frac{1}{2}$ -watt 10k to 5.6 megohms; 20-watt power resistors from 2.5 to 15,000 ohms; ten 600V capacitors, 100 pF to 0.5 μ F, 10 electrolytics, 2 to 250 μ F, 450V; 0.5A selenium and silicon rectifier. Surge protected. 10 $\frac{1}{2}$ x4 $\frac{3}{4}$ x4 $\frac{3}{4}$ ". 22 B 6022 X. Shpg. wt. 3 $\frac{1}{2}$ lbs. 69.95

H 7 in 1 DC Bias Supply for TV alignment

Model BE156. Align any TV set, tube or solid-state, with correct bias voltage. Provides the negative or positive bias you need for any set in any stage as specified by the manufacturer. Three separate and independent 250V supplies with calibrated outputs and a positive/negative polarity switch. Also has variable -75V output for equipment such as RCA chroma amplifiers. 7x4x2". AC. 22 B 6023. Shpg. wt. 3 lbs. 49.95



69⁹⁵ G



49⁹⁵ H

Values in accurate Allied® VOM's for shop or field

Pocket VOM ..
20k ohms/volt
sensitivity

10⁹⁵

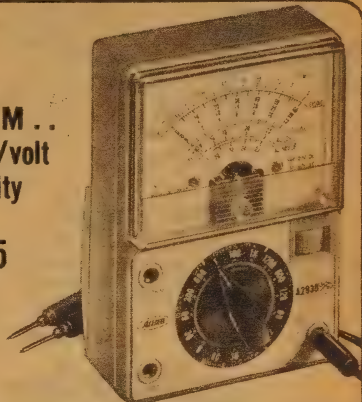


Model A-2920. A low-priced VOM with excellent performance. Has diode-circuit protection against accidental burnout and precision 1% multiplier resistors for extra accuracy. Ranges: DC Volts, 0-5-25-100-500-1000; AC Volts, 0-10-50-250-1000; Current, 0-50 μ A, 250 mA; Resistance, 0-20k ohms, 2 megohms; Decibels, -10 to +22. DC accuracy, $\pm 3\%$; AC, $\pm 4\%$. AC sensitivity, 15,000 ohms/volt. Has big 45- μ A D'Arsonval meter with easy-to-read scales. Size, $3\frac{1}{2} \times 5\frac{3}{4} \times 1\frac{1}{4}$ ". Comes complete with 50-inch test leads with pin-type tips, 1 $\frac{1}{2}$ -volt battery.

22 B 5100. Shpg. wt. 1 lb. **10.95**

Pocket VOM ..
30k ohms/volt
sensitivity

15⁹⁵

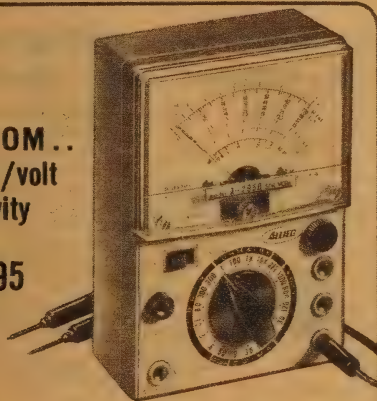


Model A-2930. Versatile VOM is diode-protected against accidental burnout and has 1% multiplier resistors for high accuracy. Can be used to troubleshoot radios, TV's, and other electronic equipment. Ranges: DC Volts, 0-6-30-60-300-600-1200; AC Volts, 0-12-60-120-600-1200; Current, 0-60 μ A, 0-30-300 mA; Resistance, 0-2k-200k ohms, 2 megohms; Decibels, -20 to -37. DC accuracy, $\pm 3\%$; AC, $\pm 4\%$. AC sensitivity, 15,000 ohms/volt. Size, $3\frac{1}{4} \times 5\frac{1}{2} \times 1\frac{1}{8}$ ". Comes complete with 50-inch test leads with banana-plug tips, 1 $\frac{1}{2}$ -volt penlight battery.

22 B 5099. Shpg. wt. 2 lbs. **15.95**

Compact VOM ..
25k ohms/volt
sensitivity

20⁹⁵



Model A-2950. Has many full-size VOM features, including diode and ceramic-capacitor protection against accidental burnout and top-quality shunts and multipliers for extra accuracy. Ranges: DC Volts, 0-0.6-3-12-60-300-600-1200; AC Volts, 0-6-30-120-600-1200; Current, 0-60 μ A, 3 mA, 300 mA, 12 A; Resistance, 0-2k, X1, X100, X1k, X10k; Decibels, -10 to -17. DC accuracy, $\pm 3\%$; AC, $\pm 4\%$. VA/2 switch divides voltage and current ranges and doubles sensitivity. DC sensitivity, 25/50 ohms/volt; AC, 2.5/5k. $5\frac{3}{4} \times 4 \times 2\frac{1}{4}$ ". With 50" leads, batteries.

22 B 5098. Shpg. wt. 2 lbs. **20.95**

Diode protected ..
100k ohms/volt
sensitivity

35⁹⁵



Model A-2900. Features VA/2 switch that divides voltage and current ranges in half and doubles sensitivity for greater accuracy and ease in measuring small values of voltage and current. Ranges: DC Volts, 0-1.2-3-12-60-120-600-1200; AC Volts, 0-3-12-60-300-600-1200; Current, 0-30 μ A, 6 mA, 60 mA, 300 mA, 12 A; Resistance, 0-2k, X1, X100, X1k, X10k; Decibels, -20 to +17. DC accuracy, $\pm 3\%$; AC, $\pm 4\%$. DC Sensitivity, 100/200k ohms/volt; AC, 10/20k ohms/volt. Diode and ceramic capacitor protected. 1% resistors. $7 \times 5\frac{1}{4} \times 3\frac{1}{4}$ ". With 50" leads, batteries.

22 B 5097. Shpg. wt. 5 lbs. **35.95**

Eico Test Equipment in Kit Form

39⁹⁵



Sine/Square Wave Generator

Model 377. Sine wave in 4 bands, 20 Hz to 200 kHz; square wave in 4 bands, 60 Hz to 50 kHz. Output: 10V, 1000 ohms. Hum under 0.4%. Accuracy, $\pm 3\%$ or 1 Hz. $7\frac{1}{2} \times 11\frac{1}{2} \times 7\frac{1}{2}$ ".

22 B 6028 X. Kit. 14 lbs. 39.95

34⁹⁵



RF Signal Generator

Model 324. 158 kHz to 145 MHz (to 435 MHz on harmonics). Etched dial, $\pm 1.5\%$ accuracy. 0-30%, 400-Hz modulation, external also. Coarse/fine attenuators. $8\frac{1}{2} \times 10 \times 4\frac{3}{4}$ ".

22 B 6030. Kit. 10 lbs. 34.95

Sine, Square Wave Audio Generator

69⁹⁵



Model 379. Simultaneous sine and square wave outputs from separate terminals. Sine wave: 20 Hz to 2 MHz, 0-7.5V (output level variable), ± 1 dB on 4 lowest bands, ± 2 dB on high bands. 0.25% max. distortion. Square wave: 20 Hz to 200 kHz. $7\frac{1}{2} \times 8\frac{1}{2} \times 8\frac{1}{2}$ ". AC.

22 B 6032. Kit. Shpg. wt. $8\frac{1}{2}$ lbs. 69.95

64⁹⁵



Deluxe Audio Generator

Model 378. 1 Hz to 110 kHz. Detent switches select 1 Hz, 10 Hz, 100 Hz, 1 kHz, and 10 kHz steps. 8-step attenuator. 0-10V rms output. $4\frac{1}{2}$ " meter. Accuracy $\pm 5\%$. $8\frac{1}{2} \times 12\frac{1}{2} \times 9$ ". AC.

22 B 6061 X. Kit. 16 lbs. 64.95

99⁹⁵



Sweep Marker Generator

Model 369. For TV, FM. 5 sweep ranges, 3-220 MHz. 3 marker ranges, 2-75 MHz, 60-225 MHz on harmonics. Marker adder. 4.5 MHz crystal. Blanking. AGC. 50-ohm output. $8\frac{1}{2} \times 12\frac{1}{2} \times 7$ ".

22 B 6063 U. Kit. 18 lbs. 99.95

Color Pattern Generator

79⁹⁵

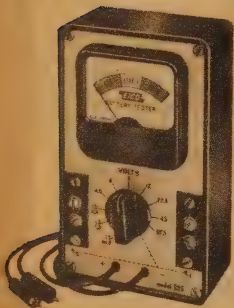


Model 385. Solid-state. 5 crystal-controlled patterns: dots, crosshatch, horizontal and vertical lines, 10 color bars. Feeds to antenna terminals. Gun killers can eliminate colors. Port. $2\frac{1}{2} \times 8\frac{1}{2} \times 8\frac{3}{8}$ ". Needs 6 "C" cells.

22 B 6065. Kit. Shpg. wt. 7 lbs. 79.95

Versatile Battery Tester tests all batteries, old and new, under typical load conditions

8⁶²

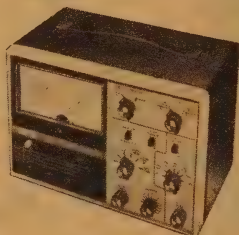


Model 585. Know the exact condition of all your batteries, regardless of vintage. Tests batteries most commonly used in portable radios, tape recorders, etc., while they operate under typical load conditions. Formulas are included for testing older type batteries. Large, easy-to-read meter calibrated 15 mA, 90 mA, Bad-Weak-Good. Size, $6\frac{1}{2} \times 3\frac{3}{4} \times 2$ ". Unit comes complete with test leads and detailed instruction manual.

22 B 6024. Kit. Wt. 2 lbs. 8.62

Semiconductor and Circuit Analyzer checks transistors, diodes . . has built-in VTVM

59⁷⁵



Model 685. Versatile unit checks all transistors, including unijunction and Bipolar transistors, diodes, rectifiers, SCR's, UJY's, etc. Built-in voltmeter and circuit. Measures AC Bat. 2-1000 on power and low resistance. Also has an ohmmeter. Measures 0-500 ohms to 10 megohms. Has built-in band meter, comp. scale. Size, $12\frac{1}{2} \times 8\frac{1}{2} \times 6$ ".

22 B 6026 X. Kit. 12 lbs. 59.75

8-range Grip-Dip Meter for Hams or servicing

34⁹⁵



Model 710. One of the handiest instruments in any Ham's or serviceman's test equipment setup. Operates as an oscillating detector or wave-meter. Covers 400 kHz to 250 MHz. Has sensitivity control, 500- μ A meter, 1:7 drive ratio. Phone jack; plug-in coils. $2\frac{1}{2} \times 2\frac{1}{2} \times 6\frac{3}{4}$ ". AC.

22 B 6067. Kit. Wt. 3 lbs. 34.95

ACCESSORY PROBES

PS1-K Signal Injector Probe Kit. Generates and injects RF, IF, and audio signals.

22 B 6069. Shpg. wt. 6 oz. 6.95

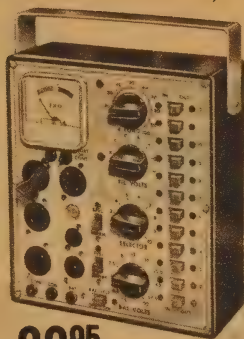
22 B 6071. PTP-11-K. Peak-to-Peak Kit. For measuring PTP's. Shpg. wt. 1 lb. 11.95

22 B 6072. PRF-11-K. RF Kit. Measures to 11-MHz. For 11-meg VTVM's. Shpg. wt. 1 lb. 11.95

4495

Model 635. "Take-it-anywhere" portable tester offers thoroughly professional, modern versatility. Permits quick accurate checks of all standard types for dynamic cathode emission, shorts, grid leakage, and gas. Tests diodes, vacuum tubes, 9-pin sockets, transistors, compactrons, 10-pin sockets, battery types, auto-radio hybrids, ignition, and industrial tubes. Even handles new decals, magnavox, 7-pin sockets, and picture tubes. Accurate built-in-out-protected 3½" D'Arsonval meter; phosphor-bronze sockets, pin holders. Complete with screw-proof carrying case. 4x12½x9". Up-to-the-minute chart. AC. Wt. 5 lbs.
6075 X Kit **44.95**

6075 X. Kit	44.95
-----------------------	-------



2995

Model 630. Precision instrument with the durability to take rugged use. Designed for fast testing, it's a versatile 3-in-1 tester that checks over 800 radio and TV tubes for cathode emission, shorts, opens, and intermittents, plus a Go/No-Go continuity test. Sockets for octals, locals, 7 and 9-pin miniatures, novars, nuvists, and compactrons. Tests (under load) commonly used batteries from 1.5 to 90 volts in 11 ranges. Big 3-color meter; neon-lamp short indicator. Transformer-isolated power supply. Bakelite case, 8 $\frac{1}{2}$ x7 $\frac{1}{2}$ x3 $\frac{1}{8}$ ", with metal handle. Complete tube-data manual. AC. Wt. 4 lbs.

22 B 6085. Kit. 29 95

22 B 6085, Kit 29.95



EICO

TEST EQUIPMENT

8995

Model 667. Joins mutual conductance (Gm), plate conductance (Gp), and peak emission tests to give a single reading of tube quality. Gives direct-reading of inter-element leakage. Spots bad transistors by two-step gain and leakage tests, using internal DC supply. Tube-test readings are on both numerical and quality-zone scales. Rectifiers are tested near maximum rated current for extra accuracy. Tests novistors, novars, compactrons, miniatures, subminiatures, octals, locals, special-purpose tubes, VR's, cold-cathode regulators. Big 4 1/2" D'Arsonval meter. Gear-driven roll chart for smooth operation. Latching cover. 4 1/2x15x12". Ac. Wt. 23 lbs.

22 B 6077 X. Kit.....	89.95
22 B 6074. CRU CRT Adapter. Wt. 1 lb.	9.95

22 B 6077 X. Kit.....	89.95
22 B 6074. CRU CRT Adapter. Wt. 1 lb.....	9.95



1995

el 150. For AM, FM, TV, audio.
d-state. RF demodulator probe,
ct audio probe. Output trans-
fer; speaker. Calibrated meter
ut indicators. 400-mW output.
A meter movement. $7\frac{1}{2} \times 8\frac{1}{2} \times 4\frac{1}{2}$
C. Shpg. wt. 6 lbs.
6079. Kit.....49.95

6079. Kit 49.95



Cathode conductance Tube Tester

59⁹⁵

Model 628. Test latest tube types, including 5-pin nuvistor, 7-pin nuvistor, 7-pin miniature, octal, loctal, combination 9 and 10-pin miniature, combination novar and pilot light, compactron. Tests older types with adapter. Big $4\frac{1}{2}''$ meter has numerical and 3-color quality-zone scales. Inter-element short and continuity tests with neon indicator. Twelve three-position individual-element lever switches. Line adjustment rheostat; pin straighteners for 7 and 9-pin miniatures on panel. Features time-saving three-column, antibacklash roll chart. $9\frac{1}{2} \times 12\frac{1}{2} \times 4\frac{1}{2}''$. AC. Shpg. wt. 12 lbs.

22 B 6100 X. Kit **59.95**

22 B 6100 X. Kit.....59.95

69⁹⁵

CRT Tester/ Rejuvenator

Model 633. Portable, all-solid-state instrument rapidly tests and rejuvenates color and black-and-white picture tubes. Checks continuity and leakage through transistorized VOM—shows them directly on meter. Also has gray scale tracking. High DC voltage for rejuvenate-welding and short-clearing procedures. 0-150 volt negative DC output for variable G₁ grid cutoff; filament voltage variable over 12 ranges from 1-12 volts. Tests for shorts, open elements, beam current, leakage, tube life. "Speedroll" tube-chart simplifies finding and reading tube data. Pushbutton operation; 4½" meter. Transformer power supply. Size, 12¼x9x5". AC. Shpg. wt. 9 lbs. **22 B 6083 X. Kit** **69.95**

22 B 6083 X. Kit 69.95

36⁹⁵

el 147. AM, FM, TV, audio.
e locator; calibrated wattmeter.
l, visual indicators. RF crystal
odulator probe, direct audio
e. Separate RF/audio input
nels. High gain for tracing to
ver input. Size, 8x10x4 3/4". Shpg.
1 lbs.

6081. Kit	36.95
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EICO

TEST EQUIPMENT

Easy-to-assemble Kits



99⁹⁵

DC to 4.5 MHz 5" wideband Scope

Model 460. Response is flat from DC to 4.5 MHz, usable to 10 MHz. Easily reproduces 3.58 MHz color TV sync burst. Vertical sensitivity, 5 mV rms/cm. Input impedance, 3 megs shunted by 35 pF. Four-position attenuator. Full-screen vertical positioning, 2X horizontal position. Sweep: 10 Hz to 100 kHz plus low-frequency range. Automatic sync. Edge-lit scale. Metal case, 13x8½x16". AC. Shpg. wt. 25 lbs.

22 B 6034 U. Kit.....99.95



119⁹⁵

3" wideband portable Scope

Model 435. Flat DC to 4.5 MHz, usable to 10 MHz. Direct coupled; push-pull amplifier. DC or p-p AC, 50 mV to 500V. Vertical sensitivity, 18 mV rms/cm. Sweep: 10 Hz to 100 kHz; 30-Hz vertical, 7875-Hz horizontal positions. 8½x5½x12½". AC. 18 lbs.

22 B 6036 U. Kit.....119.95



179⁹⁵

5" Oscilloscope/Vectorscope

Model 465. Flat DC to 8 MHz, usable to 10 MHz. Push-pull AC-DC coupled amplifiers. 12 mV rms/cm. Sweep: 10 Hz to 100 kHz, 30-Hz vertical, 7875-Hz horizontal positions. 12½x8½x16". AC. Shpg. wt. 27 lbs.

22 B 6038 U. Kit.....179.95

Shielded Probes for oscilloscopes

For use with all three scopes above. Av. shpg. wt. 5 oz.

Description	Kit Form			Factory Assembled		
	Stock No.	Type	EACH	Stock No.	Type	EACH
Demodulator Probe	22 B 6051	PSD-K	4.50	22 B 6058	PSD	4.50
Direct Probe	22 B 6056	PD-K	3.50	22 B 6059	PD	3.50
Low-Capacity Probe	22 B 6057	PLC-K	4.50	22 B 6060	PLC	4.50



24⁹⁵

Capacitor Tester

Model 955. Bright bar pattern gives sharp, unmistakable readings. Wien bridge permits in-circuit test (0.1-50 µF) with shunt as low as 35 ohms. Capacity accuracy of ±10% at any point on dial. Short test to 2000 µF; open test down to 15 pF. 8½x5½x6". With leads. AC. 6 lbs.

22 B 6040 X. Kit.....24.95

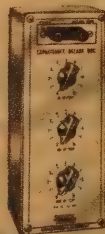


34⁹⁵

Transistor/Circuit Tester

Model 680. Simple test data contained in manual, no charts or curves needed. Separate positions for signal and power transistors. Measures I_{CEO}, I_{CEQ}, DC Beta; 0.5-50 VDC; 0-2000-200k ohms, 0-20 megs; 0-50-500 µA; 0-5-50-500 mA DC. 3x5½x6¾". With leads and batteries. 3 lbs.

22 B 6042. Kit.....34.95

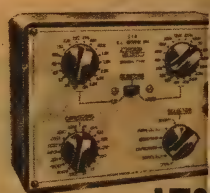


24⁹⁵

Capacitor Decade Box

Model 1180. Well-shielded unit consists of three decade assemblies, each having 11 (0-10) positions so that decades overlap. Each decade has ceramic wafer rotary switch. 100 pF to 0.111 µF in 100, 1000, 10,000 pF steps. 350V, 1% mica capacitors. Metal case, 9x3½x3½". Less leads. 3 lbs.

22 B 6044. Kit.....24.95



179⁹⁵

Resistance/Capacitance Box

Model 1140. Combination of the 1100 Resistance Box and the 1120 Capacitance Box switching that permits selection of resistance, capacitance or combination. Resistance, 0.05-20 ohms to 10 megs; capacitance, 0.0001 to 0.2 µF. ±10% substitutions. 5½x6¾". Shpg. wt. 3 lbs.

22 B 6046. Kit.....179.95

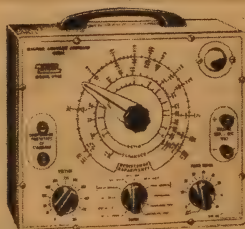


19⁹⁵

30K HV Probe with built-in Meter

Model HVP-5. Barriers isolate high-voltage tip from probe handle and meter. For fast measurements of CRT's, other high-voltage equipment. Easy-to-read meter. Alligator ground clip. 14½" long. Needs no batteries. 2 lbs.

22 B 6048.....19.95



29⁹⁵

R-C Bridge/R-C-L Comparator

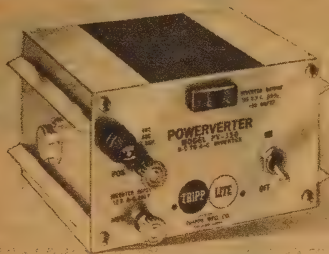
Model 950. Read directly from the graduated front panel, no computation. Reads 0.5 ohm to 500 megs and 10 to 5000 µF (4 ranges). Has 0.05-20 ohm range. Variable 0-500-volt source tests capacitors for shorts, leakage. Measures power-factor of electrolytics. 8x10x4¾". AC. Less leads. 6 lbs.

22 B 6049. Kit.....29.95

Tripp DC-to-AC Power Inverters for every need

Solid-state 150-watt Inverter

Model PV-150. Quality constructed 150-watt, transistor, low-cost inverter brings AC current to cars and boats. Converts 12 V DC to 115 V, 60 Hz AC. Delivers 150 watts continuously, 195 watts intermittent. On-off switch, replaceable fuse. Anodized heat sink. Rugged design; weather, corrosion resistant. 3½x5x5". With 2 studs. Wt. 5½ lbs. 6088.....45.00

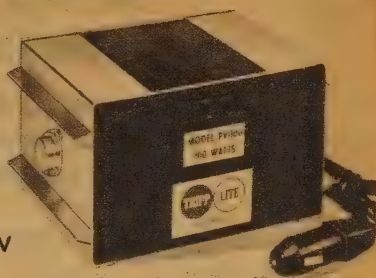


45⁰⁰

Compact 100-watt Inverter

35⁰⁰

- Solid state
- Plugs into 12 V car lighter

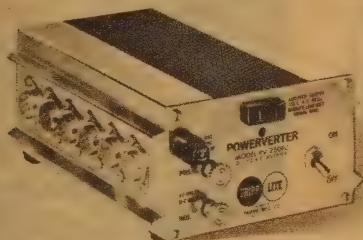


Model PV-100. Delivers 100 watts continuous, 115 intermittent, 130 instantaneous. Two transistors. With lighter plug. 22 B 6087. 4¼x4¾x3". Shpg. wt. 5 lbs.....35.00

350-watt DC-to-AC Inverter

80⁰⁰

50 watts of continuous power

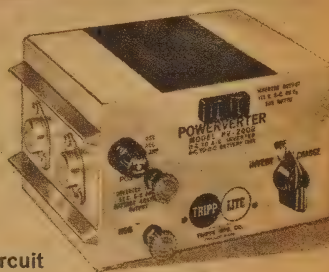


Model PV-350. 385 watts intermittent. 8 transistors. 6092 U. 3½x6½x9". Shpg. wt. 13 lbs.....80.00
Model PV-250FC. 250 watts continuous, 275 watts intermittent. Frequency control circuit. 15 transistors. 25 amps max. 6091 X. 3½x6¼x9". Shpg. wt. 9 lbs.....119.00

200-watt Inverter with battery charger

60⁰⁰

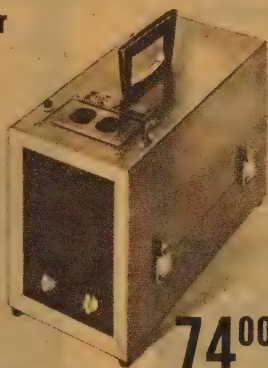
- 4 transistors
- "Power Boost" circuit



Model PV-200B. 200 watts continuous, 250 watts intermittent. "Power Boost" permits bursts of extra power for starting small appliances. Built-in 6-amp automatic taper charger. 22 B 6090. 3½x5x5". Shpg. wt. 6 lbs.....60.00

500-watt Power Inverter with battery charger

Model PVR-195B. Provides 500 watts of continuous AC power, from any 12-volt portable battery. Draws 3 amps load, 20 amps full-load. Built-in battery charger delivers 5 amps. Dependable 4 transistor circuit. Ideal for powering electric lights, all power tools, tape recorders, radios, TV, phonos, equipment, etc. from car portable battery. 9½x7x15". Wt. 5½ lbs. 6089 X.....74.00

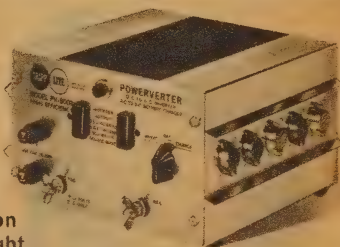


74⁰⁰

500-watt Inverter with battery charger

104⁰⁰

- Polarity protection
- Overload pilot light



Model PV-500B. High efficiency inverter delivers 500 watts continuous, 550 watts intermittent (5 minutes). Built-in 10-amp battery charger. 10 transistors. Size, 5x9½x9". 22 B 6093 U. Shpg. wt. 13 lbs.....104.00

Heavy-duty DC-to-AC Power Inverters

Overload light • Polarity protection
Frequency controlled or standard

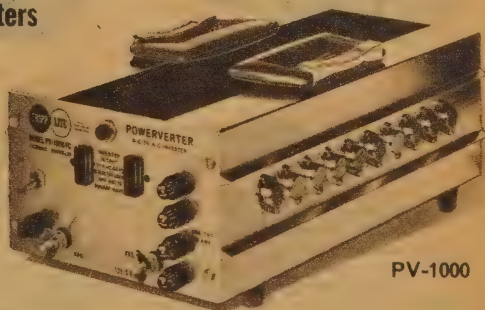
Model PV-1000. 1000 watts continuous, 1100 intermittent. Ideal for heavy-duty power tools, test equipment, standby power. 20 transistors. 5x9½x17". 6096 U. Shpg. wt. 30 lbs.....206.00

Model PV-500FC. Delivers 500 watts cont., 550 watts intermittent with frequency control; ideal for video equipment. 15 transistors. 5x9½x9". 6094 U. Shpg. wt. 16 lbs.....219.00

Model PV-500SWFC. 500 watts sine wave output for heavy current use. 50 amps max. Frequency control. 6095 U. 5x9½x17". Shpg. wt. 18 lbs.....435.00

1000 Watt

206⁰⁰



PV-1000

Micronta accurate Multitesters

performance proven by
radio/TV servicemen, engineers, hobbyists
in shop and field

100,000 ohms/volt . . 27 ranges . . mirrored scale

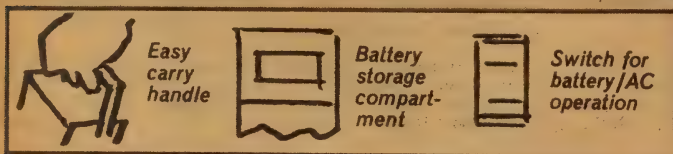
29⁹⁵

*Meter protection circuit guards
against accidental burnout and damage
for long-life and trouble-free service*

One of the finest portable/bench meters available at this low price! Compact instrument designed for any shop or field use. Lets you do faster, more accurate testing. Double-jeweled 4" D'Arsonval meter with $\pm 2\%$ accuracy. A matched pair of silicon diodes in a specially designed protection circuit prevents damage due to overload. Ranges: DC Volts, 0-500 mV, 0-2.5-10-50-250-500-1000 volts at 100,000 ohms/volt; AC Volts, 0-2.5-10-50-250-1000 volts at 12,500 ohms/volt; DC Current, 0-10-25 μ A, 0-2.5-250 mA, 0-10 A; Resistance, 0-20k, 200k ohms, 0-2-20 megohms; Decibels, -20 to +62 in 5 ranges. Case with handle, 7x5 $\frac{1}{4}$ x3 $\frac{1}{4}$ ". With test leads, batteries, instructions.

22 B 152. Shpg. wt. 6 lbs. **29.95**

22 B 151. Leather Carrying Case. Shpg. wt. 8 oz. **3.95**



9⁹⁵

20,000 ohms/volt . . D'Arsonval meter
. . easy-to-read two-color scales

Low, low price for a meter of this quality! Ranges: DC Volts, 0-5-25-100-500-1000; AC Volts, 0-5-25-100-500-1000; Current, 0-50 μ A, 0-250 mA; Resistance, X10, X1000; dB, -20 to +16. Accuracy: DC, $\pm 2\%$; AC, $\pm 4\%$. 3x4 $\frac{1}{2}$ x1 $\frac{1}{2}$ ". Batteries, leads, insts.
22 B 044. Shpg. wt. 2 lbs. **9.95**
22 B 045. Leather Case. Wt. 6 oz. **1.95**



14⁹⁵

20,000 ohms/volt DC . . 28 ranges . .
single-knob range selection

Ranges: DC Volts, 0-5-15-60-300-600-1200; AC Volts, 0-6-30-120-600-1200 at 10k ohms/volt; DC Current, 0-60 μ A, 0-3-30-300 mA; Resistance, 0-12k-120k ohms, 0-1-2-12 megs (CS, 60, 600, 6k, 60k); dB, -20 to +63. 3 $\frac{3}{4}$ x5 $\frac{1}{4}$ x1 $\frac{1}{4}$ ". Batteries, leads, insts.
22 B 022. Shpg. wt. 2 lbs. **14.95**
22 B 021. Leather Case. Wt. 6 oz. **1.95**



18⁹⁵

30,000 ohms/volt . . ohms adjustm
. . single-knob range selection

Big 3 $\frac{1}{2}$ " meter. Ranges: DC Volts, 0-0.15-60-300-600-1200; AC Volts, 0-6-30-600-1200; Resistance, X1, X100, X10k; Current, 0-0.03-6-60-600 mA; dB, to +63 in 5 ranges. 5 $\frac{3}{4}$ x4x2". With battery, leads, instructions.
22 B 049. Shpg. wt. 2 lbs. **14.95**
22 B 050. Leather Case. Wt. 6 oz. **1.95**

Micronta high-precision Test Equipment

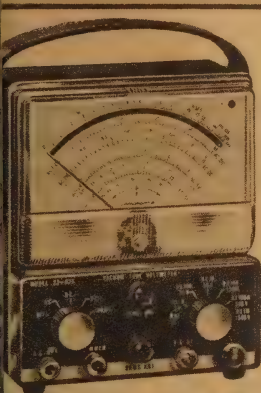
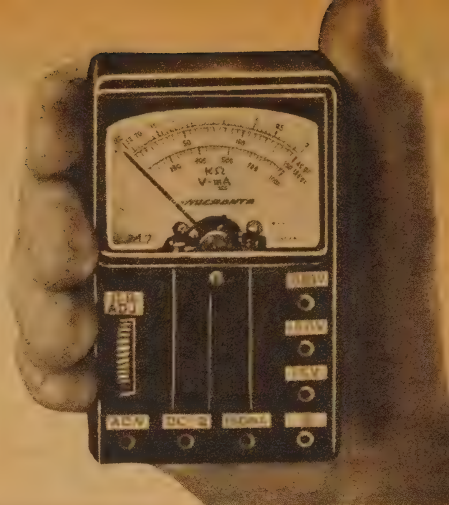
1000 ohms/volt pocket AC/DC Multitester . .
ideal for do-it-yourselfers and hobbyists

Ultra-compact . . only $3\frac{1}{2} \times 2\frac{1}{8} \times 1"$
Convenient thumb-set zero adjustment
Pin jacks for all five ranges

5⁹⁵ Factory
Wired

Keep one of these great little testers handy in your home or workshop! As pin jacks for all five ranges, two-color $1\frac{1}{4}"$ meter scale. Ranges: AC and DC Volts, 0-15-150-1000 volts; DC Current, 0-150 mA; Resistance, 0-20,000 ohms. Accuracy is $\pm 3\%$ of full-scale value on DC ranges, $\pm 4\%$ full-scale value on AC ranges. Enclosed in a rugged black bakelite case. Comes with a pair of test leads, battery, instructions.

B 4027. Shpg. wt. 1 lb. **5.95**



**6 $\frac{1}{2}"$
Vacuum Tube
Voltmeter**

39⁹⁵

- Mirrored scale
- Peak-to-peak and rms voltages
- 200- μ A meter

Shows accurate measurements in critical circuits. Ranges: DC Volts, 0.1 to 1500 volts in 7 ranges; AC Volts (rms), 0.1 to 1500 volts in 7 ranges, (peak-to-peak) 4-4000 volts in 7 ranges; Resistance, 0.2 ohms to 1000 megohms in 7 ranges; Decibels, -20 to +65 in 7 ranges. Features direct-reading measurements. Has zero-center scale for alignment of FM circuits. Multipliers are 1% precision resistors. Fully protected meter. With leads, instructions. AC.

B 025. Shpg. wt. 7 lbs. **39.95**

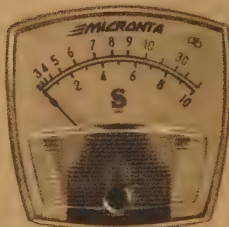


**7-in-1 Tester . . the
complete test instrument**

13⁹⁵

Measures AC, DC volts, 0-15-50-150-500; resistance, 0-100-1k-10k-100k ohms, 1 meg; capacitance, 0.002-0.005-0.02-0.1-10 μ F; RF field strength, 1-140 MHz; generates 455-kHz IF, RF, 400-Hz audio signals. $6\frac{1}{2} \times 3\frac{1}{2} \times 2\frac{1}{2}"$.

22 B 009. Wt. 2 lbs. **13.95**

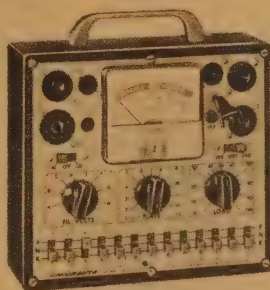


**Miniature
Panel Meters**

Better than 2% accuracy. Overall, $1\frac{1}{4} \times 1\frac{1}{2}"$. Requires $1\frac{1}{8}"$ hole. 8 oz.

22 B 016. 0-150 VAC **2.98**
22 B 017. 0-50 μ A **4.95**
22 B 018. 0-1 DC mA **2.98**
22 B 019. VU, -20 to +3 (0-100%) . . . **3.95**
22 B 020. Signal Strength **2.98**

**General-purpose portable Tube Tester . .
compact . . reliable!**



39⁹⁵

Tests more than 1500 tubes for emission, shorts, leakage, filament continuity. Checks 7 and 9-pin miniatures, octals, loctals, standard 10-pin, compactrons, nuvistors, and novars. D'Arsonval double jeweled meter shows tube condition on a 2-color REPLACE-?GOOD scale. Carry handle. $8\frac{3}{8} \times 7\frac{1}{8} \times 8\frac{3}{8}"$. AC.

22 B 012. Wt. 4 lbs. **39.95**

- Portable or bench use
- Color-scale meter
- Big tube-data chart

**Dynamic Transistor
Checker**

9⁹⁵

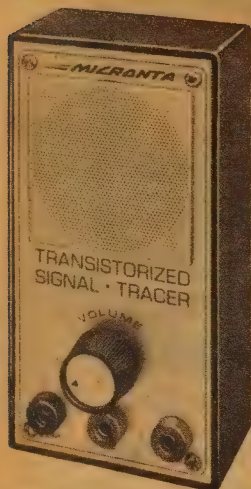
- Tests transistors in or out of circuit
- Gives GO/NO-GO test

Shows open and short circuits, current gain. Tests low, medium, high-power types. Quick-check front-panel socket. Clip-leads for in-circuit test. $6\frac{1}{4} \times 3 \times 2\frac{1}{2}"$.

22 B 024. Shpg. wt. 2 lbs. **9.95**



Micronta® Test Equipment for value and performance



Transistorized Signal Tracer is handiest of service testers . . checks RF, IF, audio signals from antenna to speaker to spot troubles quickly . . for hobbyists, do-it-yourselfers, servicemen, technicians

8⁹⁵

Stop wondering where the trouble is . . find it easily by checking the actual signal as it travels stage-by-stage

Troubleshoots electronic equipment in the most basic way possible, determining the manner in which the signal passing through the equipment is handled by the various circuits. If any stage or circuit mishandles the signal, creates distortion, fails to amplify, or even reduces the signal, it will be found easily by the signal-tracing method. Can even be used in testing microphones, record players, and FM-AM tuners and receivers. Easy to use. Includes built-in 2" speaker, adjustable volume control, battery, test leads, instructions. 2x5½x11 ¼".

22 B 010. Shpg. wt. 1 lb. 8.

Switchable solid-state filtered DC Power Supply



4.5, 6, 9, and 12 volts at up to 140 mA

7⁹⁵

Highly stable DC power supply has many uses around the shop for repair operations, experimentation. Provides well-filtered DC that can be used instead of batteries to operate many types of equipment; it can be used with transistor radios or for repairing any solid-state equipment requiring low voltage. Desired voltage selected by front-panel slide-switches. Transformer power supply, binding posts, and pilot light. 5½x2½x2½". AC.

22 B 008. Shpg. wt. 1 ¼ lbs. 7.95

Solid-state Signal Injector



3⁴⁹

All-purpose probe for serviceman or do-it-yourselfer produces signals for tracing AF, IF, and RF circuits. Pushbutton operation. Battery strength indicator lamp. Perfect for both tube and transistor circuits. Complete with batteries. Size, 5x1 ¼" (less probe).

22 B 4032. Shpg. wt. ½ lb. 3.49

16⁹⁵

Lets you set carburetor for best efficiency and gas economy



3½" Dwell Tachometer tunes up any car electronically . . for 4, 6, 8 cylinder engines

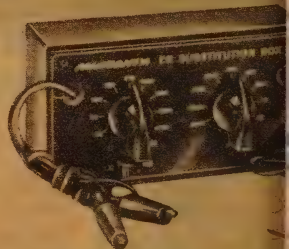


Electrically locate correct point-gap setting. Points can be set with distributor cap off and engine cranking. Set points on "Window" distributors with the engine running. Pinpoint defective spark plugs. Permits proper engine-rpm setting. RPM scale, 0-30; 8-cylinder dwell, 5-45°; 6-cylinder dwell, 20-40°. 6½x3½x2".

22 B 1630. Shpg. wt. 2 lbs. 16.95

Resistance-Capacity Substitution Box

4⁹⁵



Adds efficiency to your workbench. Furnishes 24 resistance values, 9 capacitance values. Resistance values in two ranges (12 steps each): Low, 15 to 10,000 ohms; High, 15,000 ohms to 10 megohms. Capacitance ranges: .0001, .0010, .0022, .0047, .010, .022, .047, .10, .22, 5½x2½x1 ¼". With two sets of test leads.

22 B 001. Shpg. wt. 1 lb. 4.

remi easy-handling, super-powered Moto Tools

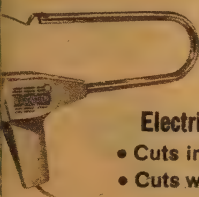


**Solid-state
Motor Speed Control**

16⁹⁵

Model 219. Get more effective use from your power tools by proper control of speed for the job at hand. Varies voltage from 0-120, full-wave output. Has circuit-overload protector with reset button, calibrated dial. 5x4x2". Three-wire cord, outlet. Rated 5 amps.

B 6052. Shpg. wt. 2 lbs. **16.95**



12⁹⁵

Electric Scroll Saw

- Cuts in any direction
- Cuts wood to $\frac{3}{4}$ " thick

Cuts scrolls, angles, and curves in wood $\frac{3}{4}$ " thick, tile, light metal. Thin, fast made leaves smooth wood. Easy-to-handle of is well balanced, lets you do professional-quality work. Cuts in any direction $\frac{9}{16}$ " deep throat. AC.

B 6043. Shpg. wt. 3 lbs. **12.95**

B 6051. Pkg. of 10 Blades. 2oz. **1.29**

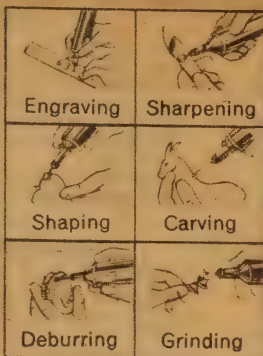


54⁹⁵

Moto-Shop Power Workshop

Model 57. Versatile Moto-Shop operates a different tools with unique power. 15" jigsaw becomes disc sander, bench grinder, buffing wheel, or flexible-belt machine. Jigsaw has four blades, which adapts in three directions. Table for angle cuts. Lightweight flexible-belt handpiece has $\frac{1}{4}$ to $\frac{1}{2}$ " capacity. 12 finger guard, 12 bits for drilling, grinding, routing, sharpening, deburring, carving; rubber backing pad, 3 sanding discs, grinder, buffer, wire brush, wheel and, polishing stick. U.L. Listed. AC.

B 6045 X. Shpg. wt. 17 lbs. **54.95**



49⁹⁵

A Model 281 Heavy-Duty Moto Tool Kit.

Similar to Model 271 below, but has super-power Moto Tool with extra rugged ball-bearing construction. You'll find hundreds of uses for this versatile kit. For its size, this is one of the fastest, most powerful hand grinders you can buy. Has permanent-magnet 0.9-amp motor with full-wave rectifier—runs at 30,000 rpm, no-load. Truly lightweight, only 11 oz., for long use without fatigue. Kit includes all 34 accessories listed with Model 271 below. U.L. Listed. AC.

64 B 6046. Shpg. wt. 3 lbs. **49.95**

B Model 271 Moto Tool Kit. Permanent-magnet 0.8-amp motor with full-wave rectifier (30,000 rpm, no-load). Vibration-free; high-velocity cooling fan. Self-lubricated bronze bearings; pencil-grip extension. $7\frac{1}{2}$ " long. Weighs only 11 oz. Kit includes 34 accessories: steel cutters, grinding wheels, rubber polishing tip, brushes, sanding discs, drum sander, mandrels, dressing stone, wrench, 4 collets ($\frac{1}{8}$ ", $\frac{1}{4}$ ", $\frac{1}{2}$ ", and $\frac{3}{4}$ "), case. U.L. Listed. AC.

64 B 6038. Shpg. wt. 3 lbs. **39.95**

C Model 223 Universal Stand. Relieves you of a lot of work—leaves your hands free when you need them most. Can be set up at any angle. Cast-iron base, will not tip.

64 B 6039. Shpg. wt. 2 $\frac{1}{2}$ lbs. **8.50**

D Model 228 Safety Glasses. Don't take a chance with your eyes. Always use safety glasses when grinding or carving.

64 B 6047. Shpg. wt. 8 oz. **2.95**

E Model 225 Drill Press. Perfect for precision drilling, miniature routing. Table can be raised, lowered; locks in position for firm support. Makes all your jobs easier and more precise.

64 B 6041. Shpg. wt. 3 lbs. **15.00**

F Model 229 Router Attachment. Designed especially to put you closer to the work for greater visibility, ease of control. Constructed of steel and Delrin® for long life. Provides infinite depth adjustment; integral guide bars.

64 B 6044. Shpg. wt. 1 lb. **9.95**

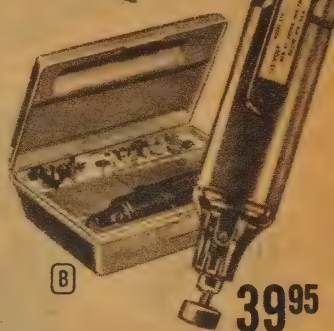
G Model 240 24-Piece Cutter Set. Contains high-speed steel cutters.

64 B 6042. Shpg. wt. 2 lbs. **30.00**

High-speed Engraver

Model 290. Permanently engraves on anything from hardened steel to glass. Easy to use as a pencil. Five-speed adjustment for stroke length, depth. High-speed reciprocating motor. Hanger hook. Nylon. With case, carbide point. AC.

64 B 6040. Shpg. wt. 1 $\frac{1}{2}$ lbs. **14.95**



39⁹⁵

Moto-Tool Accessories for added versatility



14⁹⁵



See page 331 for full Credit details . . Buy with no money down

Welds,
brazes, cuts
most metals



Quality-built Soldering Tools and Outfits

With all
accessories

17⁹⁵

Includes
2 butane
charges

3⁹⁵

Develops
3500°F using
butane charges



Versatile Microflame miniature Torch

Self-contained torch uses miniature oxygen and LP cylinders. Develops over 5000°F. Only 5¼x2x1¼". Compact size makes this torch ideal for brazing, welding, cutting intricate work such as jewelry and small production parts. Three tips, torch tube, gaskets, oxygen cylinders and one butane cylinder and complete instructions included. Plastic storage box. Shpg. wt. 1 lb.

64 B 6048. Each 17
64 B 6049. Oxygen Cylinder. Each
64 B 6050. Butane Cylinder. Each

Minitorch pocket-size Blowtorch and Soldering Kit

Big job capability in a compact size that is ideal for getting in snug places. Develops a 3500° pinpoint flame using butane charge. Each charge contains a full half hour of fuel. Cartridge screws in torch handle and turns on and off at any time! You'll find hundreds of applications for this versatile performer . . . especially suited to delicate and intricate soldering work. Can be used to: braze small metal parts, repair toys, appliances, lamps, screens, make or repair jewelry, loosen rusted hardware. Complete kit includes two butane charges. Order extra charges below.

64 B 2155. Shpg. wt. 4 lbs. 3
64 B 2156. Butane Charges. Pkg. 4 for 1



ARCHER

100 or 140 watts

6⁹⁵

Expert dual-heat Soldering Gun

Professional quality soldering gun by Archer features fingertip selection of 100 or 140 watts—provides high or low heat as the job requires. Balanced weight and comfortable pistol grip make this gun easy to hold for fatigue-free soldering. High-efficiency soldering copper tip. Dual spotlight built in to show the way in dark corners. U.L. Listed.

64 B 2190. Shpg. wt. 1 lb. 6.95

Replacement Soldering Tips. For all Weller soldering guns. Shpg. wt. 2 oz.

Stock No.	For Model	EACH
64 B 237	8200, D440	2 for .50
64 B 234	D550	2 for .50



WELLER

11⁶⁰

Dual heat Soldering Outfit

Model D550PK. Heavy-duty professional outfit by Weller has everything needed for fast, easy soldering. An excellent choice for general-purpose soldering applications in the shop or at home workbench. Includes: 240/325-watt dual-heat soldering gun; 3 tips—one each for soldering, cutting and smoothing. Convenient dual trigger positions allow selection of two temperatures—instantly provides heat suited for the job. Efficient, long-life copper tips. Dual lights illuminate work. With storage case, wrench, solder and complete operating instructions. U.L. Listed. For AC. Shpg. wt. 5½ lbs.

64 B 6053. 11.60



Changeable
powerhead To

Low
as **8⁹⁵**

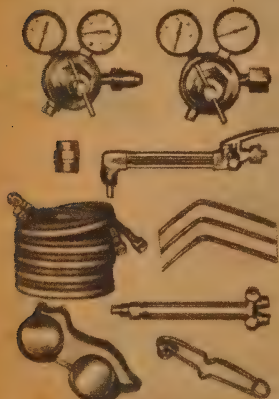
"Tempmatic" Soldering Tool

Model GT-7A. Fast-heating trigger act gun that is perfect for kit-building hobbyists as well as professional users. Features changeable temperature control powerheads for top versatility and convenience . . . just eject one and push another. Temperature control ensures correct heat at all times for best solder. Premium plated 700°F 3/16" chisel point powerhead. AC. Wt. 3 lbs.

64 B 6054. Each 10

Model GT-6B. Has the same features above tool, but with 600°F 1/8" con point powerhead. Shpg. wt. 3 lbs.

64 B 6055. Each 10

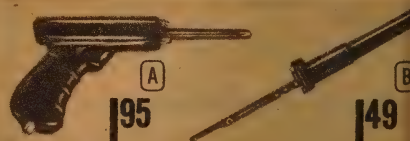


114⁹⁵

Turner heavy-duty Welding Outfit

This full-sized welding/cutting outfit by Turner contains everything needed for expert welding, cutting, brazing, soldering or heating. Welds metal up to 1-inch thick; cuts metal up to 2-inches thick. Professionally rated, single-stage oxyacetylene outfit includes torch handle and mixer assembly; oxygen regulator; regulator for acetylene or propane; three welding tips—numbers 1, 5 and 8; cutting attachment and tip; welding goggles; spark lighter; 20 feet of hose and all fittings and adapters required. Needs only oxygen and acetylene or propane cylinders.

64 B 6056 Z. Shpg. wt. 22 lbs. . . 114.95



195

149

A Cool-Grip Soldering Gun. 30 watt, 120 volt soldering gun has easy-grip handle that stays cool. Lightweight, heats instantly. Perfect for home or shop electrical repairs. U.L. cord.

64 B 2224. Shpg. wt. ¼ lbs. 1

B Pencil Soldering Iron. Lightweight and easy to manipulate—reaches tight spots. 30 watt, 120 volts. With U.L. cord. Heats instantly, yet handle stays cool. Ideal for small jobs.

64 B 2225. Shpg. wt. ¼ lb. 1

Extra Soldering Tips. For above gun & iron.

64 B 2226. Shpg. wt. 2 oz. 2 for 1

Top buys on Soldering Irons and Accessories

A Pencil-type 42-watt Soldering Iron by Archer

Weights just 3-oz.—only 8½-in. overall. Break-proof, stay-cool nylon handle. Long-life nichrome mica insulated element with ¼-in. screw-in tip. Tip temperatures reach 600° to 640°F. With convenient stand for iron. U.L. Listed.

4 B 2071. Shpg. wt. ½ lb. 3.29
4 B 2072. Extra Tip for Above. 2 oz.79

B Archer 25-watt pencil-type Soldering Iron

Extra strong, trouble-free and easy to manipulate. All the features of the 42-watt iron above, but with a ½-in. screw-in tip. Heats evenly after 90 seconds to do delicate work with precision. Break-proof DuPont Zytel handle stays cool. Handy stand for iron included. U.L. Listed.

4 B 2070. Shpg. wt. ½ lb. 2.59
4 B 2073. Extra Tip for Above. 2 oz.59

C Science Fair 9-piece Electronic Tool Kit

Assembled by Allied Radio Shack especially for the beginning t builder, hobbyist or handyman. We've included all the tools you use the most. You get a 30-watt soldering iron, solder, solder id, 2 pliers, 3 assorted screwdrivers (1 cross point, 1 with wire gripper built-in) and heat sink.

4 B 2800. Shpg. wt. 1 lb. 5.99

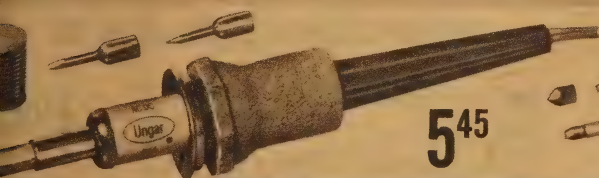
Features DuPont Zytel handle

3²⁹ A

2⁵⁹ B

Beginners' Bargain

5⁹⁹



5⁴⁵

UNGAR professional-quality Soldering Tools

High-heating pencil-type Soldering Kit

Model 7070 Outfit. Combines ease of operation and dependability in an attractive, lightweight package. High-heating pencil has flow handle design for cooler grip. Outfit contains: Type 1237 heating unit (37½ watts with temperature range of 750°F to 900°F); Type 777 lightweight pastel-colored polypropylene handle that will not crumble or dust; three interchangeable thread-on copper tips (pencil, chisel and pyramid) to handle virtually every soldering job; spool of 60/30 resin cord solder. AC. U.L. Listed. Shpg. wt. 1 lb.

4 B 6059. 1-5. Each 5.45
Extra Tips. Fit 776 and 777 handles. Silver-plated iron, except copper alloy. U.L. Listed. Shpg. wt. 2 oz.

4 B 6062. Chisel. Type 1233* (1½x¼"). Each 2.05

4 B 6063. Pyramid. Type 1236 (1½x¼"). Each 2.05

4 B 6064. Chisel. Type 1239 (1½x¾"). Each 2.05

Type 776 and 777 Handles with Cord



1⁸⁷

Type 776. Accepts a variety of thread-in elements and tips. Spring socket. Non-conductive ceramic and glass insulation. Stainless steel deflector. Cork grip and thermo-stabilized 5" phenolic body. U.L. Listed. 4 oz.

64 B 6061. Each 1.87

Type 777. As above, but pastel-colored phenolic. Heat stabilized grip is convection cooled. Wt. 4 oz.

64 B 6058. Each 1.87

Soldering Iron Holder. (Wire guard keeps iron handy, protects tip, protects your fingers from burns. Mounts on any bench or wall. Adjustable angle. Wt. 8 oz.)
64 B 6069. For Standard Line. 2.12
64 B 6067. For Imperial Line. 2.12



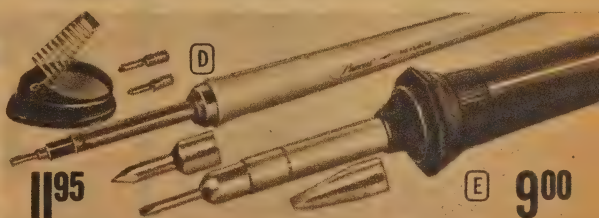
Soldering Gun for ICs and FETs

Model 6760. Designed for service technicians and serious electronics hobbyists. Features soldering tip electrically isolated from heating element to assure safe, damage-free soldering of integrated circuits and field effect transistors. Solid-state design permits dramatic weight reduction for fatigue-free handling. Has replaceable tips. Dual "hi-lo" heat control allows instant selection of temperature of approximately 500°F or 900°F. Includes three quickly interchangeable tips to handle almost any high-density circuitry soldering with precision.

64 B 6066. Shpg. wt. ¼ lb. 9.95

9⁹⁵

Lightweight solid-state design... less than 5 oz.



11⁹⁵

9⁰⁰

D Model 6900 Soldering Outfit. Here's a perfect combination for soldering micro-electronic circuitry. Like working with a fine ball-point pen. Ideally suited for hair-thin wire, micro-resistors, capacitors and diodes. With turquoise handle, two-wire cord, 10-watt heat capsule, three soldering tips, safety iron holder and cleaning sponge. AC.

64 B 6065. Shpg. wt. 10 oz. 11.95

E Model 6010 Imperial Soldering Outfit. Offers peak efficiency for modern electronics. Handles as easily as a pencil for intricate soldering work in the home or shop. Six-pc. kit includes: 40-watt cartridge; three mini-tips (long taper chisel, pyramid and microchisel); Imperial handle and two-wire cord. Order in quantity for savings. U.L. Listed. AC.

64 B 6060. Shpg. wt., 8 oz. Each 9.00

Meet professional standards with these Soldering Accessories



22⁹⁵

Endeco 9-piece Soldering Kit

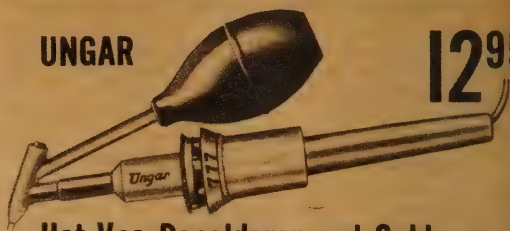
Easy, precise soldering or desoldering with full 360° "wrap-around" contacts

Model 300-K. An ideal choice for almost any desoldering or soldering job. Only 8 inches long, it weighs just 3½ oz. for effortless handling in the most intricate jobs. Simple one-hand operation lets you use the other hand to hold components for closer and more precise work. Easily removes miniature soldered components in just seconds without damaging components or surrounding circuitry. Solder new connections even faster with complete 360° "wrap-around" contacts. Full 40 watts. Complete with 6 tips ranging from .038" to .090", tip cleaning tool and steel box. AC.

64 B 6070. Shpg. wt. 3 lbs. 22.95



UNGAR



12⁹⁵

Hot-Vac Desolderer and Solderer

Use it with heat-shrinkable tubing, also

Type 7800. Lets you solder, desolder and clean printed circuit boards quickly, easily and efficiently. Hot-Vac melts the solder, which is then sucked up into the collector section by squeezing the built-in bulb. Lets you do an extra-fast and extra-neat job. Special long-wear coating makes time-consuming tip-tinning completely unnecessary. Versatile model can also be used safely with heat-shrinkable tubing. Comes complete with 37½-watt element. AC.

64 B 6057. Shpg. wt. 12 oz. 12.95

Archer® 3-piece Solder Ease Kit

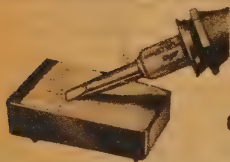


1⁹⁹

Heat sink protects circuit when soldering

Make all your soldering jobs neat, fast and easy. Aluminum heat sink allows an extra-firm grip while it protects the transistors and diodes when you're soldering. Stainless steel probe, rugged 8-inch steel brush and scraper let you clean circuit for extra-neat work.

64 B 2221. Shpg. wt. ½ lb. 1.99



UNGAR

"Kleen-Tip"
cleaning outfit

1²²

Type 400. "Kleen-Tip" outfit allows you to remove oxidation and excess solder from your soldering tips for better circuit connections and longer tip life. It's a real time-saver, too. Specially processed sponge contains absolutely no chemicals that are harmful to tip or to components. . . . completely safe for use with all printed circuit boards. Sponge fits firmly in special phenolic tray.

64 B 6068. Shpg. wt. 2 oz. 1.22

Archer® rosin-core Electronic Solder



A
39[¢]
B
69[¢]
C
2⁷⁹

Ideal solder for the aspiring hobbyist or the professional radio and TV repairman. Rosin core provides low viscosity for easy handling. Quick melting for extra-fast work. Non-corrosive for reliable, long-life repairs. Non-conductive.

A Handy Pack Solder. 16 gauge, 60% tin, 40% lead.
64 B 0001. Shpg. wt. 5 oz. 39¢

B Bench Pack Spool. Radio engineer recommended.
64 B 0002. Shpg. wt. 8 oz. 69¢

C One-Pound Spool of Solder. Conforms to Federal Specifications, 00-S-571d.
64 B 0003. Shpg. wt. 1½ lbs. 2.79

Xcelite soldering-aid Seizers

D Type 42H. Versatile 6" straight-nose seizer performs several jobs at once. Clamps components securely, holds wires for soldering, acts as protective heat sink and retrieves small, delicate parts from hard-to-reach places. Precision made of stainless steel.

64 B 6007. Shpg. wt. 3 oz. 4.90

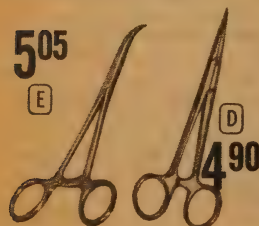
E Type 43H. As above but with curved nose.
64 B 6008. Shpg. wt. 3 oz. 5.05

Miller lightweight spring-type Sink



Model 80. Easy-to-handle for the most intricate work. Spring-type action for fast one-hand operation. Copper jaws allow fast heat dissipation. Plastic-covered easy-grip handles.

64 B 6011. Shpg. wt. 6 oz. 1.99



Pliers and Tools for every home workshop . . at low prices

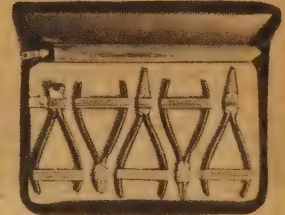


Allied® Precision Pliers and Cutters for any application
Professional-Quality—Drop-Forged Pliers and Cutters

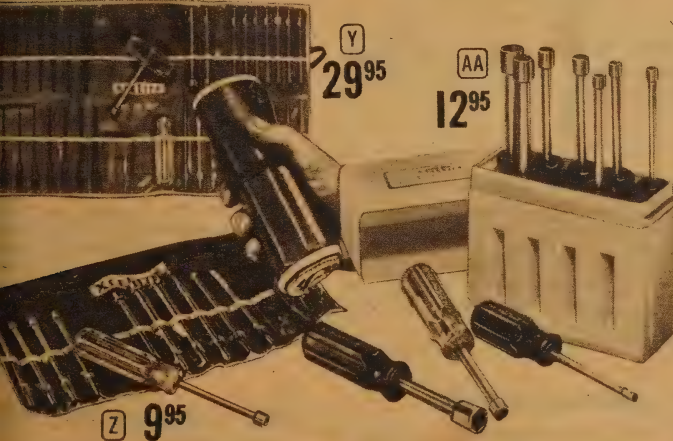
Drop-forged from high-grade tool steel and heat treated for optimum temper. Vinyl cushion grips for safety and comfort. All carry one year guarantee against breaking. Includes cross coil spring. Made in U.S.A. to Allied's rigid specifications.

Stock No.	Fig.	Length	Description	Wt., oz.	EACH
B 5000	A	6½"	Electrician's Side Cutting Pliers	8	3.60
B 5001	A	8"	Electrician's Side Cutting Pliers	16	4.38
B 5008	B	6"	Long Needle or Snip Nose Pliers	6	3.42
B 5012	C	7"	Extra Long Chain Nose Cutting Pliers	6	4.48
B 5015	D	6"	*Long Nose Pliers	3	4.30
B 5002	E	4½"	Diagonal "Oblique" Cutting Pliers	2	3.26
B 5003	E	5"	Diagonal "Oblique" Cutting Pliers	3	3.18
B 5004	E	6"	Diagonal "Oblique" Cutting Pliers	3	3.60
B 5010	F	6"	Long Chain Needle Nose Pliers	3	2.88
B 5009	F	6"	Long Chain Needle Nose Pliers	3	3.50
B 5013	G	5"	*Radio and Ignition Nose-Cutting Pliers	3	4.94
B 5016	H	7"	*Extra Fine Long Nose Pliers	3	3.36
B 5007	J	6"	Satin Finish Combination Pliers	5	1.20
B 5019	J	8"	Satin Finish Combination Pliers	9	1.44
B 5020	J	6"	Satin Finish Thin Nose Combination Pliers	5	2.14
B 5005	K	4½"	Diagonal Needle Point Cutting Pliers	2	4.18
B 5006	K	5"	Diagonal Needle Point Cutting Pliers	3	5.40
B 5011	L	5"	Short Chain Needle Nose Cutting Pliers	3	3.52
B 5014	M	5"	*Slim Nose Pliers	3	3.84
B 5017	N	4½"	*Needle Point Diagonal Flush Cut Pliers	6	4.48
B 5021	P	10"	Tongue-and-Groove Utility Pliers	16	3.76

Allied Jeweler's Plier Set



Complete set of five professional-quality 4½" precision jeweler's pliers. Comfortable vinyl-cushion grip allows easy handling for intricate work. Smooth polished head and handle, drop-forged fine-grain tool steel. Fig. R for close cutting. Fig. S for end cutting. Figs. T, W, X have smooth jaws. Shpg. wt. 1¼ lbs. (Av. wt. of individual pliers, 5 oz.)
64 B 5018.....19.70



Xcelite 99MP Multi-Purpose Tool Set. Your most-often-needed tools are readily available in this convenient 39-piece set. Includes: 10 regular nutdrivers 9 Allen hex type screwdrivers, 9 Bristol multiple spline screwdrivers, 3 slotted screwdrivers, 2 Phillips screwdrivers, 2 reamers, 1 awl/scriber, 1 extension blade, 1 regular handle, 1 Tee handle. Shock and proof plastic handles. Vinyl-coated canvas roll-up case. 64 B 6010. Shpg. wt. 3½ lbs.....29.25

Xcelite 99PR Screwdriver Set. A grand total of 11 all-purpose pieces in a handy roll-up vinyl pouch. Includes: 10 drivers in sizes from ¼" thru ½" in ⅛" steps; 2 single-end screwdrivers, ¼", ⅜"; 2 single-end Phillips, Nos. 1 and 2. Shock-proof and breakproof plastic handles. All have chrome-plated shafts and blades to resist rust and corrosion. Shpg. wt. 2 lbs. 64 B 6009.....9.95



BB Vinyl-coated roll-up case 28.95

AA Xcelite HS-18 Hollow-Shaft Nutdriver Set. Ten versatile nutdrivers in a rugged carrying case. Super-tough cold-drawn, case-hardened sockets. High-carbon steel shafts are polished and plated. Shock and breakproof plastic handles color-coded and marked with large numbers. Socket sizes range from ⅜" thru ¾" in ⅛" steps. Also ⅜", ½", and ⅝". Shpg. wt. 1½ lbs. 64 B 6006.....12.95

BB Xcelite 99SM Service Master Tool Set. Provides a variety of tools and combinations to speed-up work. Set includes: long-nose pliers; 6" adjustable wrench; 9 regular nutdrivers from ⅜" thru ¾"; ¼", ⅜", ⅝" stubby nutdrivers; ⅜" and ½" slotted screwdrivers; #1 Phillips screwdriver; ⅝" to ¾" reamer; ⅜" to ½" reamer; 7" extension. Breakproof plastic handle. Vinyl-coated canvas roll-up case. Shpg. wt. 2¼ lbs. 64 B 6005.....28.95

Dymo and Radio Shack® Labelmakers and Kits for every use



**Dymo Deluxe
Tool Labelmaker**

Cut \$15.07

Now only 1988

- Prints $\frac{3}{8}$ ", $\frac{1}{2}$ ", vertically
- Handles all medium, large tape jobs
- Precision made, lasts a lifetime

Model M-20. Was \$34.95 in Cat. 290. Versatile kit ideal for office, workshop, studio, classroom, home and many other applications. Handles all medium- or large-tape jobs. Precision-made embossing tool includes 3 wheels, five $\frac{3}{8}$ " tapes, and five $\frac{1}{2}$ " tapes, handy case for compact storage. Wheel for $\frac{3}{8}$ " tapes embosses basic-size letters, $\frac{1}{2}$ " wheel for extra-large letters—there's even a third wheel for embossing letters vertically! See below for extra tapes.

64 B 6012. Shpg. wt. 4 lbs.19.88

2195



**$\frac{1}{2}$ " and $\frac{3}{8}$ " Dymo
Labelmaker Kit**

Model 1570.01. Identify and categorize your personal belongings and household items with easy-to read raised-letter markings. Heavy-duty tool has chrome-finish body. Uses $\frac{1}{2}$ " and $\frac{3}{8}$ " tape. Wheel embosses letters vertically. Kit includes one black tape, one $\frac{3}{8}$ " red tape, wheel, labelmaker. Order extra tapes below.

64 B 6014. Shpg. wt. 2 lbs.

1695



**$\frac{1}{4}$ " and $\frac{3}{8}$ " Dymo
Labelmaker Kit**

Model 1550.01. Ideal for general office, workshop or home. Makes easy-to-identify raised-letter characters. One wheel embosses new stylish "designer-extended" characters. Uses both $\frac{1}{4}$ " and $\frac{3}{8}$ " tape. Kit includes tool, two wheels, $\frac{1}{4}$ " red tape, one $\frac{3}{8}$ " black tape. Order extra tapes below.

64 B 6013. Shpg. wt. 2 lbs.

988



Dymo low-cost Kit for $\frac{1}{4}$ ", $\frac{3}{8}$ " tapes

Model M-6. Makes raised-letter labels that are self-adhesive, permanent, water-proof. Great for identifying your belongings. Just dial each letter, number or symbol and squeeze handle. Kit includes: plastic embossing tool, 2 wheels for large, small characters, three $\frac{3}{8}$ " and two $\frac{1}{4}$ " rolls of tape. Complete with case. See below for extra replacement tapes.

64 B 6071. Shpg. wt. 1 $\frac{1}{2}$ lbs.9.88

395



**Embosses
 $\frac{3}{8}$ " adhesive tape**

Radio Shack "Label-It" Labeler

Label everything with the handy, easy-to-operate "Label-It." Made of Cyclocol®. Horizontal characters: A through Z, \$, %, #, -, / . Vertical characters include: A through Z, 2 through 9, \$, #, & +, -. Comes complete with reel of $\frac{3}{8}$ " vinyl tape. Extras below.

64 B 541. Shpg. wt. $\frac{1}{2}$ lb.3.95

495



Prints $\frac{1}{4}$ " high letters on both $\frac{1}{4}$ ", $\frac{3}{8}$ " tape

Radio Shack dual track Labeler

Perfect for those heavy-duty labeling chores. Made of unbreakable Cyclocol lasts a lifetime. 42 character wheels includes letters A through Z, numbers through 9, +, %, &, -, / . Regular wide spacing, pull tab cut-off. Order tape below.

64 B 525. Shpg. wt. 1 lb.

129



NEW! Radio Shack's mini "Label-It" pocket-size Labelmaker

- Ultra-lightweight
- Ultra-compact
- Embosses $\frac{3}{8}$ " tape

Realistic's most portable label embosser. So small, it fits in any pocket or purse. Embosses $\frac{3}{8}$ " tape. Can be taken anywhere—for home, office, anywhere—for home, office, workshop, classroom, car—many other uses. Easy to operate: dial each character, squeeze trigger, snap off finished label. Label books, tools, file cabinets—hundreds of applications. Constructed of sturdy plastic for long use without fatigue. Replacement tapes at right.

64 B 543. Wt. $\frac{1}{4}$ lb.1.29

TAPES . . buy in quantity and

Specify Color	$\frac{1}{4}$ " Stock No.	$\frac{1}{2}$ " plain Stock No.	$\frac{1}{2}$ " std. Stock No.	Sta
Black	61 B 2195	64 B 6015 C	64 B 6016 C	64
Blue	61 B 2194	64 B 6015 C	64 B 6016 C	64
Brown	.....	64 B 6015 C	64 B 6016 C	64
Clear	.....	64 B 6015 C	64 B 6016 C	64
Gray	.....	64 B 6015 C	64 B 6016 C	64
Green	61 B 2193	64 B 6015 C	64 B 6016 C	64
Org.	.....	64 B 6015 C	64 B 6016 C	64
Red	61 B 2192	64 B 6015 C	64 B 6016 C	64
Wood	61 B 2198	64 B 6015 C	64 B 6016 C	64
Yel.	.....	64 B 6015 C	64 B 6016 C	64
EACH:	1-5/79¢ 6-11/69¢ 12-Up/59¢	1-2/1.49 3-Up/1.25	1-2/1.79 3-Up/1.59	1-4/12-40

Specify color for $\frac{1}{2}$ " tape

Values in Tools and Sets for the hobbyist at work or at home



Arrow complete Stapling Kit

16⁹⁵

T-50MP. Consists of stapler with powerful double-leverage action, tamproof mechanism. Mend screens, window shades; fasten ceiling tile, hang party decorations—literally hundreds of household and workshop applications. Includes: staple gun; screen, shade attachments; staple lifter; 1000- $\frac{1}{2}$ ", 1000- $\frac{3}{4}$ ", 1000- $\frac{1}{4}$ ", 1000 Coil-Tile staples. Staple gun uses $\frac{1}{4}$ " to $\frac{3}{4}$ " staples. Shpg. wt. 4 $\frac{1}{2}$ lbs.

64 B 6021.....16.95



BADOER HOBBY AIR BRUSH

19⁹⁵

Hobbyist Air Brush Sprayer

- Easy to use, clean
- No AC required
- Spray adjustment

Single-action air brush, easy to use, cleans in a snap. Perfect for household and hobby applications. Requires no AC current. Consists of metal parts with rugged, long-wearing Teflon bearings and seals. Includes sprayer, 6-foot vinyl air hose, 2 cans of propellant, good for over $\frac{1}{2}$ -hour spraying each, "on" and "off" valve, 1-ounce paint jar, and two $\frac{1}{2}$ -ounce jars. Extra propellents can be ordered below. Shpg. wt. 5 lbs.

64 B 6018 X.....19.95

64 B 6019. Extra Propellent.....2/3.98



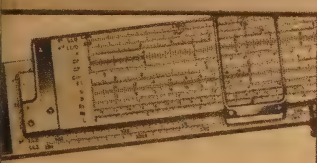
BVI electric Paint Sprayer Kit

19⁹⁵

- Professional results
- Cleans, lubricates itself

Model VS-868. Complete outfit lets you make quick work of all those home spraying jobs. Airless sprayer gives you top-quality results with a minimum of effort. All you do is merely plug in to spray paint, enamel, varnish, lacquer, insecticide and chemicals. Has a convenient built-in pump and motor, sapphire nozzle, 24-ounce glass jar. Cleans and lubricates itself, requires no special care. Kit includes fan-spray nozzle, viscosity cup for thinning paint.

64 B 6017. Wt. 6 lbs.....19.95



23⁹⁵

Post precision Slide Rule

460M. For engineers, mathematicians, anyone using advanced mathematics. Log log scales cover range from 1.—1 to 22,000; reciprocal log log scales cover .00005 to 0.999. Reverse side scales carry LL/1, LL/2, LL/3, TT, Sec T St, Cos S, C, D. With case and 120-page instruction book.

64 B 6025. Wt. 2 $\frac{1}{2}$ lbs.....23.95



39⁹⁵

Micronta hands-free Magnifier

A huge value for technicians, hobbyists, just about anyone! Precision-made glasses magnify objects 2 $\frac{1}{2}$ times. They flip up or down, stay put, leave your hands free for practically any job. Virtually unbreakable. With glare guard, adjustable headband for comfortable fit.

63 B 845. Shpg. wt. 1 lb.....3.95



69⁹⁵

Archer Electric Pencil

Makes clear, permanent marking for easy identification. It's as easy to use as an ordinary pencil. Pick it up and the motor turns on—put it down and it shuts off automatically. Adjusts for different strokes and line widths. Only 5 $\frac{1}{2}$ " long. AC.


64 B 2172. Shpg. wt. 1 lb.....6.95



11⁹⁵

Forming Brake. Shapes flat bands and contours in 10 to 16-gauge; can be bent 90°. Features accurate finish and sharpness adjustment. Shpg. wt. 9 lbs.

64 B 6020.....11.95



18⁹⁵

Wilton Model 353 Electronics Vise with Positioner. For small PC boards, many other applications. Rubber covered jaws. Bars may be adjusted up to 6 $\frac{1}{2}$ ". Shpg. wt. 3 lbs.

64 B 6023.....18.95



14⁹⁵

Wilton Model 371 PC Holder and Positioner. Brackets adjust horizontally 3" to 6". Vertical posts are V-grooved ($\frac{1}{4}$ " wide, $\frac{3}{16}$ " deep). Post height, 4". Shpg. wt. 2 lbs.

64 B 6024.....14.95



28⁹⁵

Wilton Model 645 All-purpose Vise. Features replaceable cap jaws, reinforced forming horn. $\frac{3}{4}$ " steel slide. 5" jaw width; 5 $\frac{1}{2}$ " max. open. $\frac{1}{4}$ -2 $\frac{1}{2}$ " pipe capacity. Wt. 34 lbs.

64 B 6022 X.....28.95

Precision engineered Tools for your home or shop



Ace 40-pc. Tap and Die Set

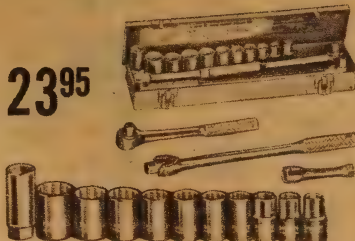
39⁹⁵ • Hi-tempered steel
• Unbreakable case

Complete set of taps and dies, plus all essential accessories in a compact carrying case. One each, tap and die: 4-36, 6-32, 8-32, 10-24, 10-32, 12-14 (Machine Screw Standard); $\frac{1}{4}$ -20, $\frac{1}{8}$ -18, $\frac{3}{16}$ -16, $\frac{1}{16}$ -14, $\frac{1}{2}$ -13 NC(U.S. Standard); $\frac{1}{4}$ -28, $\frac{1}{8}$ -24, $\frac{3}{16}$ -24, $\frac{1}{2}$ -20, $\frac{1}{2}$ -20 NF(S.A.E. Standard); $\frac{1}{8}$ pipes.

Also includes die stock, tap and reamer wrench, "T" tap wrench, screwdriver, and pitch gauge. High-tempered alloy steel. Unbreakable plastic case with recessed pocket for each part.
64 B 6026. Shpg. wt. 4 lbs.... **39.95**

Rugged, versatile 15-piece economy Socket Set

23⁹⁵



Save time and money with this 15-piece socket set that's versatile enough to do most any job around the house, shop or garage. Set consists of three 6-point sockets— $\frac{1}{16}$ to $\frac{1}{2}$ " ; seven 12-point sockets— $\frac{3}{16}$ to 1" ; $\frac{1}{4}$ " sparkplug socket; 5" socket extension; reversible ratchet; 15" flex handle. Sturdy metal carrying box (size, 15 $\frac{1}{2}$ x4x2"), also convenient for storage. Shpg. wt. 10 lbs.

64 B 6031. **23.95**

Value-packed 11-piece Socket Set for wide applications

14⁹⁵

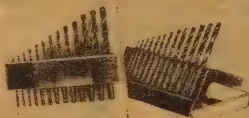


Economy priced but feature-packed 11-piece socket set for home or shop. Contains everything you need to accomplish most jobs that require special handling or tools: four 6-point sockets— $\frac{3}{16}$, $\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$ "; three 12-point sockets— $\frac{5}{16}$, $\frac{1}{2}$, $\frac{3}{4}$ "; socket extension; reversible ratchet; 10" flex handle. Metal carrying box (Size, 10x2 $\frac{3}{4}$ x1 $\frac{1}{2}$ ") for storage. Shpg. wt. 3 lbs.

64 B 6030. **14.95**

13-piece $\frac{1}{4}$ " Chrome Vanadium Drill Bit Set

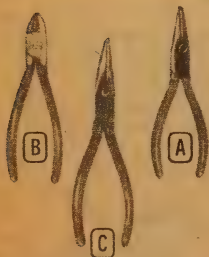
24⁹



Exactly the drill bits you need for those tough, rough jobs. They're all industrial high-speed, quality built and engineered. 13-pieces: sizes— $\frac{1}{16}$ " thru $\frac{1}{4}$ ". Diameters by 64ths. Flip-top index.

64 B 1836. Shpg. wt. $\frac{1}{2}$ lb.... **2.49**

Professional quality-engineered Insulated Pliers



A plier for every use... specially designed and engineered for use with electrical splicing and components. Made of Rockwell treated drop-forged high-carbon steel with heavy duty, sure-grip, insulated handles. Sharp, sure-honed cutting edges.

Stock No.	Fig.	Description	Each
64 B 1825	A	5" long nose	1.59
64 B 1826	A	6 $\frac{1}{2}$ " long nose	1.79
64 B 1827	A	8" long nose	1.99
64 B 1828	B	5" diagonal	1.59
64 B 1829	C	6 $\frac{1}{2}$ " bent nose	1.99

Hand Nibbling Tool for any Cutting Job



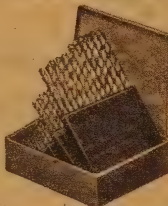
- Cuts sheet metal effortlessly
- Cuts 8-gauge steel
- Cuts 16-gauge aluminum

Not only does it cut straight, but also almost any pattern you desire... square, circles and complex designs. Slices through both metal and plastic like butter. Easy to use... no bothersome dials and controls. Cuts smooth... leaves no rough or jagged edges.
64 B 822. Shpg. wt. 1 lb.... **4.49**

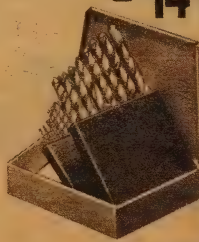
44⁹

Precision high-speed Drill S

- Withstands the highest industrial speeds
- Most common sizes



14⁹⁵



Three sets of the most common, versatile and useful drill bits for home, shop, garage or on the job applications. All of high-tempered steel take the highest industrial speed also leave a uniform, smooth hole the substance being drilled. Mini drill bit set specially designed, engineered for use in miniature utility work and component construction. Excellent for use when working with solid printed circuit board changing the grid or pattern of punched circuit boards.

D 21-Drill Set. $\frac{1}{16}$ " to $\frac{3}{8}$ " in 64 Steel index. Wt. 1 $\frac{1}{4}$ lbs.
64 B 6028. **14.95**

E 21⁹⁵

E 60-Number Size Drill Set. Size to 60. Steel index. Wt. 1 $\frac{1}{4}$ lb.
64 B 6027. **21.95**

F 8⁹⁵

F Miniature Set. Twenty drills No. 61(.039") to No. 80(.0135").
64 B 6029. Shpg. wt. 6 oz.... **8.95**

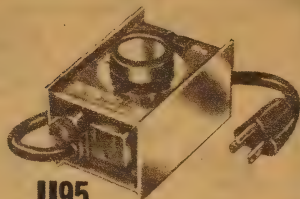


Motor Control . . one-ton Hoist . . Tool Sets . . Electronic Cleaner

Lutron Speed Control

Mark II. Make your electric power tools do any cutting, drilling or fastening job without constant finger pressure on the tool speed control trigger or switch. Just connect any power tool, up to 5 amperes universal (AC-DC) and series DC motors only, to the speed control box. 900 watts maximum. For AC.

4 B 6032. Wt. 1 1/2 lb. 11.95
4 B 6033. Up to 10 amps. 17.95

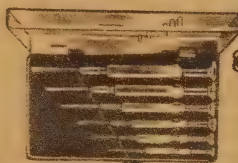


11⁹⁵

Archer Precision Screwdriver

Perfect precision tool for the jeweler, hobbyist and technician who needs miniature blades in widths 0.8-3.8 mm. for repairing watches or connecting delicate terminals in miniature component circuits. Blades all made of hardened, tempered, rust-proof steel. 6 screwdrivers, sizes 1-6. Long-lasting, strong chrome plated brass handles. Wt. 1/2 lb.

B 1948. 1.99



1⁹⁹

8-pc. Nutdriver set

Get positive, firm connections when you use this versatile nutdriver set that has all the common and most-used sizes. Sizes are 1/8", 1/4", 3/8", 1/2", 5/8", 3/4", 7/8", 1". Handles are completely unbreakable under normal use and insulated so they're shock-proof. Tempered steel blades; forged long hollow blades. Wt. 8 oz.

B 1800. 1.99



1⁹⁹

8-piece Screwdriver set

Use in electronic and other fields requiring precision tools. Specially hardened blades with color coded ends. Blade length—10 3/4". 8 different blade sizes—for numerous job applications. Completely interchangeable. Each handle fits into master for extra turning power. Fits in compact, easy to carry case.

B 335. Shpg. wt. 1/2 lb. 1.99



1⁹⁹

Body 36-pc. Tiny Tool set

Entirely different sets. Leather-like carry case.

Specifically designed for miniature job applications. 6 different sets, each with its own chuck-handle, plastic case. 4 screwdrivers (.05", .07", .08", .10", .12", .14" awl); 2 Phillips screwdrivers; 3 Allen wrenches (#4, 6, 8); pen-end wrench set and TS-5; SW-5 socket wrench set (non-tight); 5 matching tap drills. Leather-like carry case.

B 335. Shpg. wt. 2 lbs. 28.95

28⁹⁵



Allied Radio Shack's One-Ton Pocket Hoist

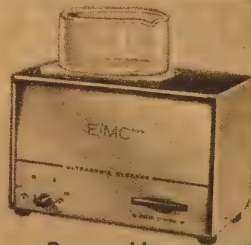


5⁹⁹



Completely assembled ready to use

A hoist that weighs a little under one pound yet can lift over two thousand times its own weight and is actually compact enough to easily fit into a large coat pocket! It's easy to use . . . already assembled so you don't have to tediously put together the block and tackle. 7 to 1 ratio. 65 feet of tough nylon rope. Block and tackle constructed of lightweight, rustproof aluminum and long-lasting stainless steel. Shpg. wt. 1 1/4 lb.
64 B 164. 5.99



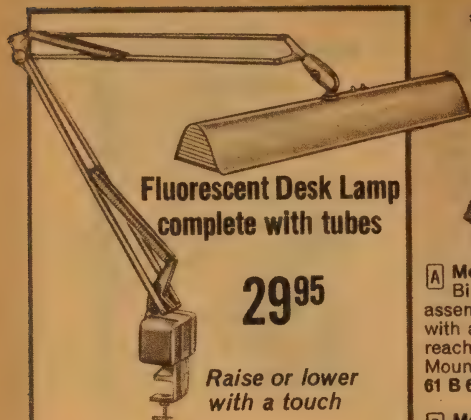
Removable Crystal Beaker

39⁹⁵

Electromation Ultrasonic Cleaner gets any solid object 100% clean

Model LP-2. Automatic heat cutoff to protect delicate objects from damage. Crystal beaker 3" dia. x 1 1/2" deep. Holds up to 1/2 pint cleaning fluid. Operates at 90 kHz. Sample bottles of jewelry cleaner; denture cleaner; silver/gold coin cleaner; copper/brass coin cleaner; plastic sponge. Cabinet (stainless steel) size: 6x4x4". AC.
64 B 6034. Shpg. wt. 6 lbs. 39.95

Luxo Adjustable Lamps for comfort while working or reading



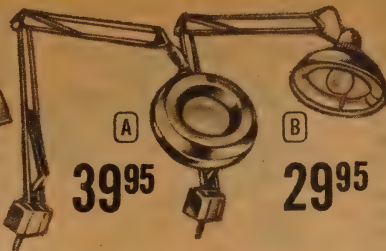
Fluorescent Desk Lamp
complete with tubes

29⁹⁵

*Raise or lower
with a touch*

Model FL-1. Twin-light fluorescent lamp that's ideally suited for use in any office or home where a large area of bright, cool light is necessary. Lamp can be raised or lowered with a slight touch . . . yet arms are spring-controlled and counter-balanced to stay in place. Lamp swivels full 360°, has 45° reach. Gray enameled metal finish. Eight-foot cord. Two type T8 fluorescent tubes are included. Order mounting bracket desired, at right. U.L. Listed. AC.

61 B 6000 X. Shpg. wt. 9 lbs.29.95



A Model LFM-1 Fluorescent Magnifier Lamp.

Big 5" magnifier lens is ideal for miniature assembly, inspection, or reading fine print. Moves with a touch, yet stays in place. 360° swivel; 45° reach. Gray finish. With T9 fluorescent tube. Mounting bracket below. U.L. Listed. AC.

61 B 6002 X. Shpg. wt. 8 lbs.39.95

B Model LC-1 Combination Lamp. Has both fluorescent and incandescent lights that can be used separately or together. Furnishes the kind and degree of light needed. 360° swivel; 45° reach. Gray finish. With T9 tube, less incandescent bulb. Order bracket below. U.L. Listed. AC.

61 B 6001 X. Shpg. wt. 9 lbs.29.95



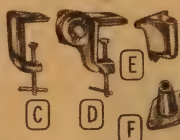
Bullet-shade Lamp
snap-out reflector

With bulb 18⁹⁵

Model LB-1. Multi-purpose lamp is designed to give widest area of light, illuminate tight spots. Replaceable inner reflector feature makes it ideal for use where grease and spat build-up, cut light output. Uses standard light bulb. Has 45° overall reach. Has some baked enamel finish. Bracket below. U.L. Listed. AC. Shpg. wt. 5 lbs

61 B 6003 X.18.95

Mounting Brackets for all Luxo Lamps



C Desk Clamp. Lets you mount lamp on table or desk. Opens to 2 1/4".

61 B 6004. Wt. 1 lb.1.95

D Slanted Surface Clamp. Fits drafting board. Adjustable angle.

61 B 6007. Wt. 1 lb.2.95

E Screw Mount. For other vertical surfaces. Three mounting holes.

61 B 6005. Wt. 1 lb.1.95

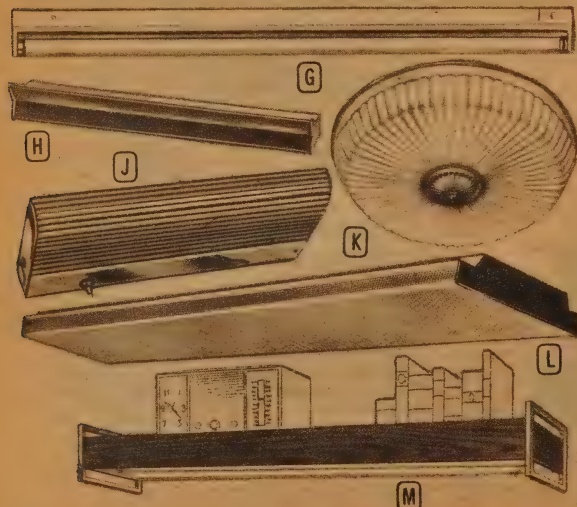
F Screw Mount. For other level surfaces. Three mounting holes.

61 B 6006. Wt. 1 lb.1.95



Reflector Fluorescent Light Fixture. Rapid-start, easy to install. Provides plenty of light. Ideally suited for use in any office, school, or home. Comes complete with 6-ft. cord and pull-chain switch. Plugs into any existing AC outlet. Also includes two 40-watt, 48" fluorescent tubes. "P" rated ballast with thermal protection. Baked white enamel. Measures 13x 4 1/2x48". U.L. Listed. AC.

61 B 6017 X. Shpg. wt. 15 lbs.18.95



American Fluorescent Fixture

G Fluorescent Strip Light Fixtures. Heavy-gauge metal fixtures with tubes. Rapid-start with "P" rated ballast, except heat (starter) type. White baked enamel. Easy row mount. Measures 2 1/2" wide x 1 1/2" deep.

Stock No.	Type	Watts	Length	Lbs.	E
61 B 6008 X	ST-120*	20	24"	3 1/2	
61 B 6009 X	ST-140	40	48"	8	
61 B 6010 X	ST-240	2-40	48"	14	

H Valance Light. For easy installation in valances, pictures, mirrors, beds, cabinets, etc. 1-40 watts. fluorescent tube. 48 1/2x6 1/2x5 7/8". "P" rated ballast. AC.

61 B 6018 X. Shpg. wt. 10 lbs.

J 15-Watt Under-Cabinet Fixture. Sticks up with Scotchm —no screws, no drilling. 1 1/2x5 1/2x18 1/2". With tube, cord switch. AC. U.L. Listed.

61 B 6011. Shpg. wt. 4 lbs.

K Plastic Enclosed Circine Fixture. Extends 3" to 4" ceiling. Use with wall switch. With 32-22 watt rapid tubes. "P" rated ballast. AC. U.L. Listed.

61 B 6019 X. Shpg. wt. 8 lbs.

61 B 6012 X. Above, chrome, less encl. 40-32 W. 10 lbs.

L Wafer Thin Fluorescent Light Fixtures. Walnut wood metal ends; one-piece wrap-around diamond prismatic styrene lens. Rapid-start with "P" rated premium ballast lamps included. 3 3/4" deep. Two-lamp fixtures, 11 1/2" wide lamp fixtures, 15 1/4" wide. AC. U.L. Listed.

Stock No.	Type	Watts	Length	Lbs.	E
61 B 6013 X	WTB-420	4-20	24"	16	2
61 B 6014 U	WTB-240	2-40	48"	18	2
61 B 6015 U	WTB-440	4-40	48"	25	3

M Decorator-Styled Fluorescent Shelf-Lite. Designed to brightly, look handsome anywhere—in homes, schools, offices. Walnut-grain finish metal front. Easy to mount. mounting screws, 6-ft. cord, plug, switch, and convenient let. With one 30-watt rapid-start lamp. 8 1/2x5 1/2x38 1/4". AC.

61 B 6016 X. Shpg. wt. 10 lbs.

Values in Electrical Accessories for better living

Lutron remote Light Dimmer

||95



controls lamps up to 600 watts incandescent. A concealed glow-light helps you switch in the dark. Cork bottom protects furniture finish. Has 6-ft. cord with 3-prong plug. Use multiple plug to control more than one lamp. AC.
61 B 2620. Shpg. wt. 1 1/2 lbs. 11.95

Six-Outlet Centers



Extension Cord Type. Extend your wall outlet to a remote location with highly-convenient 6-outlet extension-cord multiple outlet center.
61 B 2631. Shpg. wt. 1/2 lb. 1.99

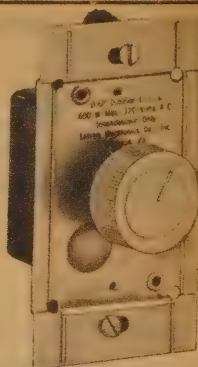
Plug-in Type. Plugs directly into your wall outlet to let you operate up to six appliances from it.
61 B 2632. Shpg. wt. 1/2 lb. 1.59

Electric Light Dimmer for dialing the "brightness" you want

- Push-on, Push-off
- Fits standard wall receptacle

599

Lets you adjust intensity of light to fit every requirement. Adjust for reading, TV watching, party atmosphere, or to create any effect—from romantic candleglow to full brilliance. Dimmer is continuously variable from "off" to full wattage. Rated 600 watts, 117 VAC. Easy screwdriver installation—just connect leads to wall-box wires, then attach faceplate.
61 B 2699. Shpg. wt. 1 lb. 5.99



Archer Six-Outlet Fused Power Center



399

Invaluable for extending electric power in laboratory, workshop, and home . . . provides extra safety and value

You'll want a number of these handy power-center outlets to give you electric power wherever you need it. Has built-in fuse-holder, power on/off switch, and pilot light. 15-amp fuse protection. Safe grounding wire connection . . . completely safe to use. AC or DC. Comes complete with mounting screws.
61 B 2630. Shpg. wt. 1 lb. 3.99

Rechargeable Flashlight



495

You'll never buy batteries for this flashlight . . . they're rechargeable. Plugs into any AC outlet to recharge built-in nickel cadmium cells. Only 4" long.
61 B 2551. Shpg. wt. 1/2 lb. 4.95



Electrical Plugs in handy packs

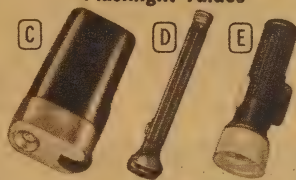
Triple Cube Taps.
61 B 2701. Shpg. wt. 1/4 lb. 2/59¢

Rubber Male Plugs.
61 B 2708. Shpg. wt. 1/4 lb. 3/49¢

Push-Pull Male Plugs. Assemble easily and quickly.
61 B 2709. Shpg. wt. 1/4 lb. . . 3/59¢

Parallel Ground Adapters. Two wire "U" ground.
61 B 2720. Shpg. wt. 1/4 lb. . . 2/75¢

Flashlight Values



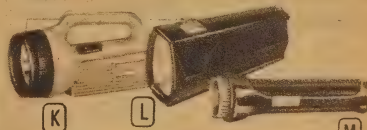
69¢ 98¢ 89¢

- C Pen-lite.** Pocket flashlight comes in handy at night or for illuminating dark corners. Plastic case. Switch.
68 B 1004. Shpg. wt. 1/2 lb. 69¢
- D Five-Cell Light.** 1500-ft. range. Water resistant.
68 B 1001. Shpg. wt. 1/2 lb. 98¢
- E Magnet Flashlight.** Stays where you put it. Uses two "D" cells.
68 B 1011. Shpg. wt. 1/2 lb. 89¢

Extension Cord Sets



U.L. approved cord sets have many uses in home, school, or office. Extend outlet to where you need it. Terminate in cube tap. 4 oz.
61 B 2751. 6-ft. Cord, Brown. . . 59¢
61 B 2752. 9-ft. Cord, Brown. . . 69¢
61 B 2753. 9-ft. Cord, White. . . 75¢
61 B 2754. 15-ft. Cord, Brown. . . 99¢
61 B 2759. 15-ft. Heavy-Duty Indoor/Outdoor Cord Set. 18/2. Rated 7 amperes. 1.99



Flashlights . . . made in U.S.A.

- K Archer Lantern.** Throws powerful beam. Uses 4 "D" batteries.
61 B 2634. Shpg. wt. 1/2 lb. 1.59
- L Heavy-Duty Light.** Does a big job. Uses 2 "D" batteries.
61 B 2647. Shpg. wt. 1/4 lb. 79¢
- M Archer Disposable Light.** Long-lasting pocket flashlight.
61 B 2638. Shpg. wt. 1/4 lb. 1.19

Electric Immersion Heater

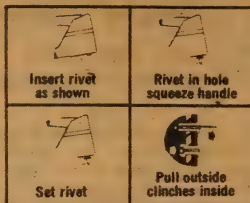


Heats water for tea or coffee in seconds. Really convenient, perfectly safe to use. Just plug it in and place coil in water.
64 B 1824. Shpg. wt. 1/4 lb. 69¢

Time saving Tools for use in the home or on-the-job



Easy-to-use Pop Rivet Gun for quick fastening



Handy hobbyist Knife Set



10 multipurpose interchangeable steel blades

Perform such delicate, precision operations as correcting printed circuit board scraping, carving, engraving. Useful to the entire family. Set includes left and right hand etchers, stencil cutters, scraper, carver, scraper and many other blades. With handle and set of 10 blades.
64 B 1901. Shpg. wt. 1/2 lb.

299

Replace metal screws, soldering, and troublesome brazing

Ideal for permanent fastening around house or shop. Rivets won't strip out, loosen or fall out. 3 lengths of rivets: short, for work to 1/8" thick; medium to 1/4" long; to 1/2". Use backup plates where hole is too large for rivets, or as reinforcement with soft material.

64 B 2852. Shpg. wt. 1 1/4 lbs.	2.99
64 B 2853. 25 Short Rivets. Shpg. wt. 8 oz.	49¢
64 B 2854. 20 Medium Rivets. Shpg. wt. 8 oz.	49¢
64 B 2855. 15 Long Rivets. Shpg. wt. 8 oz.	49¢
64 B 2856. 40 Backup Plates. Shpg. wt. 12 oz.	49¢

Popular Electronic Hardware in re-usable see-thru packages

- Nickel plated
- Solder-type lugs
- Solderless connectors
- Quick disconnects

69¢
Each



1 Round Head Machine Screws. 3 oz.

Stock No.	Description	PKG.
64 B 3010	30 ea. 2-56 x 1/4", 1/2", 3/4"	.69
64 B 3011	25 ea. 4-40 x 1/4", 1/2", 3/4"	.69
64 B 3012	25 ea. 6-32 x 1/4", 1/2", 3/4"	.69
64 B 3013	15 ea. 8-32 x 1/4", 1/2", 3/4"; 10 ea. 10-32 x 1/2", 3/4"	.69

2 Binder Head Machine Screws. 15 ea. of 4-40 x 1/2", 3/4"; 10 ea. of 6-32 x 1/2", 3/4"; 8-32 x 1/2", 3/4"

64 B 3014. Shpg. wt. 3 oz.	.69¢
----------------------------	------

3 Slotted Hex Head Sheet Metal Screws. 6 ea. of #4x1/2"; #6x1/4", 1/2", 3/4"; #8x1/4", 1/2", 3/4"

64 B 3015. Shpg. wt. 3 oz.	.69¢
----------------------------	------

4 Pan Head Sheet Metal Screws. 7 ea. of #4x1/2"; #6x1/4", 1/2", 3/4"; #8x1/4", 1/2", 3/4"

64 B 3016. Shpg. wt. 3 oz.	.69¢
----------------------------	------

5 Hex Steel Machine Nuts. 4 oz.

Stock No.	Description	PKG.
64 B 3017	125 of #2-56	.69
64 B 3018	125 of #4-40	.69
64 B 3019	100 of #6-32	.69
64 B 3020	40 ea. #8-32, #10-32	.69

6 Round Head Steel Wood Screws. 75 pieces, #4-#8, 1/2"-1 1/4" long.

64 B 3021. Shpg. wt. 3 oz.	.69¢
----------------------------	------

7 Flat Steel Washer Assortment. 50 ea. of #2, #4, #6, 30 ea. of #8, #10.

64 B 3022. Shpg. wt. 3 oz.	.69¢
----------------------------	------

8 Internal Tooth Lock Washer Ass't. 30 ea. #2, #8, #10, 40 ea. #4, #6.

64 B 3024. Shpg. wt. 3 oz.	.69¢
----------------------------	------

9 Hole Plug Assortment. 6 ea. of 1/4", 3/8", 1/2", 2 ea. of 3/4", 1".

64 B 3024. Shpg. wt. 3 oz.	.69¢
----------------------------	------

10 Vinyl Grommet Assortment. 7 ea. of 1/2", 3/4", 1", 5 ea. of 1 1/2", 1 3/4".

64 B 3025. Shpg. wt. 2 oz.	.69¢
----------------------------	------

11 Wire Nut Ass't. 6 ea. 2 #18, 1 #16 & 2 #18, 3 #18, 3 ea. 5 #16, 2 #12 & 1 #18.

64 B 3026. Shpg. wt. 2 oz.	.69¢
----------------------------	------

12 Metal Cable Clamp Ass't. 14 ea. of 1/2", 3/4", 1", 6 ea. of 1 1/2", 1 3/4".

64 B 3027. Shpg. wt. 2 oz.	.69¢
----------------------------	------

13 Butyrate Cable Clamp Assortment. 6 ea. 1/2", 3/4", 1" cable dia.

64 B 3028. Shpg. wt. 2 oz.	.69¢
----------------------------	------

14-18 Solder-Lug Assortment. 56 pieces. #6, #8, #10 mounting holes.

64 B 3029. Shpg. wt. 2 oz.	.69¢
----------------------------	------

Fig. 19-22. Solderless Terminals.

19 Non-insul. Ring Tongue. 6 ea. #16, #8 (22-18 wire size); #6, #8, (16-14).	
20 Non-insulated Spade Tongue. 5 ea. of #6, #8 (22-18); #6, #8 (16-14).	
21 Insul. Ring Tongue. 4 ea. #6 (22-18), #8 (22-18); #6 (16-14); #8 (16-14).	
22 Insulated Spade Tongue. As above.	
23 Non-Insulated Butt Connectors. 5 ea. of (22-18), (16-14).	
24 Insulated Butt Connectors. 5 (22-18), (16-14).	
25-26 Male Quick-Disconnects. 2 ea. of insulated 3/16", 4 non-insulated 3/16", 1/4".	
27-28 Female Quick Disconnect sorted as above.	
29 Insulated Butt Connectors. 5 (22-18), (16-14).	
30 Insulated Butt Connectors. 5 (22-18), (16-14).	
31 Insulated Butt Connectors. 5 (22-18), (16-14).	
32 Insulated Butt Connectors. 5 (22-18), (16-14).	
33 Insulated Butt Connectors. 5 (22-18), (16-14).	
34 Insulated Butt Connectors. 5 (22-18), (16-14).	
35 Insulated Butt Connectors. 5 (22-18), (16-14).	
36 Insulated Butt Connectors. 5 (22-18), (16-14).	
37 Insulated Butt Connectors. 5 (22-18), (16-14).	
38 Insulated Butt Connectors. 5 (22-18), (16-14).	
39 Insulated Butt Connectors. 5 (22-18), (16-14).	
40 Insulated Butt Connectors. 5 (22-18), (16-14).	
41 Insulated Butt Connectors. 5 (22-18), (16-14).	
42 Insulated Butt Connectors. 5 (22-18), (16-14).	
43 Insulated Butt Connectors. 5 (22-18), (16-14).	
44 Insulated Butt Connectors. 5 (22-18), (16-14).	
45 Insulated Butt Connectors. 5 (22-18), (16-14).	
46 Insulated Butt Connectors. 5 (22-18), (16-14).	
47 Insulated Butt Connectors. 5 (22-18), (16-14).	
48 Insulated Butt Connectors. 5 (22-18), (16-14).	
49 Insulated Butt Connectors. 5 (22-18), (16-14).	
50 Insulated Butt Connectors. 5 (22-18), (16-14).	

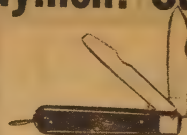
Hobbyists! Handymen! Save at Allied Radio Shack



**Nut-Driver
with handle**

99¢

parate Hex Sockets; ranging from in width up to 1/4"; sturdy plastic handle makes it easy to grip. 1977. Shpg. wt. 1/4 lb. 99¢



**Convenient
Pocket Knife**

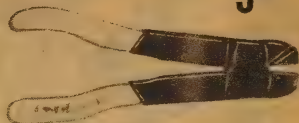
1.59

Has safety lock, wire scraper and screwdriver; tough, sharp cutting blade. Non-slip sure grip handle. Made in the U.S.A.

64 B 2136. Shpg. wt. 1/4 lb. 1.59

**All-Purpose Electrical
Crimping Tool**

5.95



Crimps insulated solderless terminals; shears machine screws; measures stud sizes. A "must" for hobbyist and do-it-yourselfer's workbench. Safe and easy to use. Good for home or on-the-job use. Convenient size enables efficient storage and hanging in tool room or garage. Durable steel.

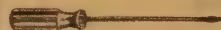
64 B 2270. Shpg. wt. 1 lb. 5.95
64 B 2269. Assorted insulated terminals. Shpg. wt. 8 oz. 1.79



**Sabre Saw
Blade Set**

49¢

op value for hobbyists. 4 wood ng blades; 1 metal cutting blade. 1964. Shpg. wt. 1/4 lb. 49¢



Quality Screwdrivers

Precision tips, perfect fit, no rust.

64 B 1830. 4" Cabinet. Wt. 4 oz. 49¢

64 B 1831. 6" Electric. Wt. 4 oz. 49¢

64 B 1832. 3" Recessed. Wt. 4 oz. 49¢

64 B 1833. 4" Recessed. Wt. 4 oz. 49¢

Mounted Stone Set



1.09

es for grinding, polish- burnishing. Includes 2 cones, ball. 1837. Wt. 1/4 lb. 1.09

Warding File Set



79¢

4 most popular shape files. First quality. Rapid cutting action. In storage pouch. 64 B 1838. Wt. 1 lb. 79¢

Wire Stripper & Cutter



1.39

For all commonly used standard wire sizes. Smooth-cutting. 5" long.

64 B 2129. Wt. 1/2 lb. 1.39

8" Crimping Tool



1.29

Assorted terminals, cuts and strips wires. Hundreds of uses. Easy to use.

64 B 405. Wt. 1 lb. 1.29



**7-in-1
Hole Saw**

89¢

7 circular saw blades, 1" to 2 1/2" dia. holes; shank; slug ejector. me-plated.

1974. Wt. 1/2 lb. 89¢



Ratchet "Versatool"

1.95

Design combines practicality and durability. 3 tool steel blades fit slotted or recessed-head screws.

64 B 1862. Wt. 2 lbs. 1.95



**Pattern Maker
Contour Gauge**

1.29

Use for around-the-house fixing; fitting tile, laying linoleum, matching, molding, etc. 6" long.

64 B 1861. Wt. 1/2 lb. 1.29



**Solderless
Lugs**

88¢

20 each of 5 assorted sizes. Ring, spade, hook tongue types. Convenient to have at home or the shop.

64 B 406. Wt. 1/4 lb. 88¢

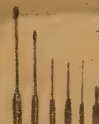


**6 Nut
Drivers**

99¢

x Sockets: from 3/16" to 3/4"; plastic chuck le. With handle. For or on-the-job.

1977. Wt. 1/2 lb. 99¢



**Screwdriver
Set**

99¢

6-piece rugged, multi-purpose set with most needed sizes. Steel blades, and amber handles. Versatile.

64 B 1820. Wt. 1 lb. 99¢



**10-pc.
Socket Set**

89¢

With 1/4"-drive reversible ratchet, 8 sockets, from 3/16" to 3/4". For garage or shop.

64 B 1975. Wt. 1/2 lb. 89¢

**Burnishing
Tool**

39¢

A device for cleaning contacts in relays and switches. "File finish" removes oxide and corrosion.

64 B 2425. Wt. 1/2 lb. 39¢



**Quality
Drill Set**

79¢

ce Drill Set: sizes from 1/16" to 1/4" for ut the largest jobs. and safe to use.

1971. Wt. 1/2 lb. 79¢



**Wire Bend-
ing Jig**

1.00

Makes dozens of useful decorative items. Bends eyes, spirals, curves & circles. Up to 1/4" dia.

64 B 1960. Wt. 1/4 lb. 1.00



**Electronic
Hardware**

99¢

Over 600 pieces. Brand new, no sweepings. 1 full pound. Worth \$4. Assortment. Fills all needs.

64 B 2890. Wt. 1 lb. 99¢



**Mini-Tool
Kit**

1.00

6-in-1. Awl, gimlet, 3 screwdrivers, wire stripper. Popular mini-tools for electronics, repairs.

64 B 1003. Wt. 1/2 lb. 1.00

Fix-it-yourself with these handy repair items



Thermogrip Electric Glue Gun

60-second bonding
plus easy instant-
set caulking

5⁹⁹

Makes all other forms of gluing obsolete. Uses new, hot-melt glue sticks; melted glue bonds permanently in 60 seconds, providing a solid bond that's perfect for furniture, pottery, metal, plastic or fabric. Use with white sealer sticks for waterproof caulking. Caulking and glue included.

64 B 2860. Glue Gun. 2 lbs. .599
64 B 2864. 14 Glue sticks. .98¢
64 B 2865. 14 Sealer sticks. .98¢

- Easy . . . No clamping
- Nothing to clean up
- Gives permanent, secure bond
- Ideal for make-or-mend jobs

Extra-powerful, multi-purpose, Ceramic Magnets

1001 uses in office, school, auto, home



1½" round
64 B 1885



1" rectangular
64 B 1875

15¢ Each **25¢** Pair

10 for 1⁰⁰ 25 for 2²⁵ 100 for 8⁰⁰

Archer Vinyl Electrical Tape

- Made in U.S.A.
- Industrial quality

Amazing low prices! U.L. approved insulating tape from one of America's largest makers. 10,000 volt dielectric strength. .007 thickness. Good up to 80°C.



Stock No.	Size	EACH		
		1	3-11	12-Up
64 B 2348	½"x12½"	.29	.25	.22
64 B 2349	¾"x20"	.59	.54	.49
64 B 2350	¾"x66"	1.09	.99	.89



49¢

Quality ¾" Friction Tape

64 B 1956. 60-ft. Roll. Wt. ½ lb.49¢



79¢

"Sure-Grip" Masking Tape

Standard-Size. Non-marking. ¾" wide x 60 yards.
64 B 188. Wt. 1 lb.79¢

Jumbo Size Masking Tape. 2" wide x 60 yards.
64 B 190. Wt. 1½ lbs.1.89

Telescope/Microscope



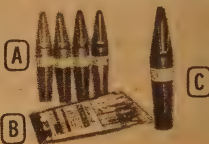
1⁹⁹ Extends over 8" for long distance viewing, enlarges objects 30 times.
63 B 844. Wt. ¼ lb.

27-Color Pastel Pencil



1⁰⁰ Push in one color—push out another.
68 B 1002. ¼ lb.

Instant-Dry Marking Pens



1⁰⁰

- A** 4-piece heavy duty Marker Set. Waterproof. Red, blue, black, green.
64 B 1998. Wt. ¼ lb.
- B** 6 Water-Color Markers. Fine or broad tip. 6 different colors.
64 B 2020. Wt. ¼ lb.
- C** 4-color Stack Pen. Individual red, green, black pens in 1 handy unit.
68 B 1008. Wt. ¼ lb.

Plastic Repair Kit



1⁹⁵ Mends in minutes damaged plastic kitchen utensils, toys. Squeezable putty, pourable mold. Colored powders. Glues, waterproofs.
64 B 2427. 6 oz.



Super Epoxy Glue

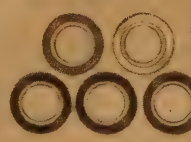
99¢ Quick dries at room temperature. Bond strength of over 3000 pounds per sq. in. Easy to mix and apply. Cements non-porous items.
64 B 2426. Wt. ½ lb.



All-purpose Glue

59¢ • Fast-drying • Strong
Use for joining plastic, rubber, glass. 2 oz. Instructions for making invisible bond.
64 B 2311. Wt. ¼ lb.

Archer 5-pack PVC Electrical Tape



89¢ • Ideal for color coding

Five rolls of electrical tape in black, navy, green, yellow, and red.
¾" w. x 144" l.
64 B 2340. ¼ lb.

Convenient Chemicals and Servicing Tools

Hi-Voltage Insulator Spray

Prevents arcing **198**

Prevents corona shorts. Over 100 volts dielectric strength. Resists moisture, prevents leakage of high voltage circuits. Contains 6 oz. 2316. Wt. 1 lb. 1.98



Handy all-purpose Lube Oil

Resists heat **99¢**
and moisture

One formula. Stops rust, cleans frozen parts, and protects. Attachment for hard-to-reach areas. Good at home or shop. Contains 6 oz. 2318. Wt. 1 lb. 99¢



TV/Radio Service Cement

Speaker and **59¢**
general repair

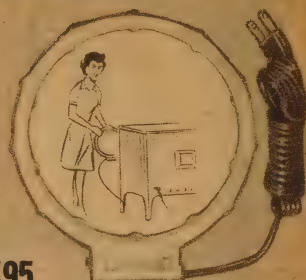
Glues parts to chassis, replaces plastic cabinets. Fast-drying, clear-drying, firm. Saves cost of expensive solder jobs. Contains 6 oz. 2309. Wt. 1 lb. 59¢



Archer Color Television Purifier

- Just plug into outlet
- Removes color impurities
- Save on service calls

Now you can restore sharp, clear color tones without expensive service calls. The Archer Color TV Purifier degausses stray magnetic fields eliminating color impurities and fuzziness which sometimes appear on the screen after moving the set or from other interference. Plug in permanently next to your Color TV. 15 B 570. Wt. 1 lb. 5.95



5.95

Easy to use

Archer Electronic Chemicals keeps equipment as good as new

Color Television Tuner Cleaner

Improves color reception. Spray into tuner. 64 B 2320. Wt. 8 oz. 1.39



Tuner Cleaner and Lubricant

99¢ Cleans, lubricates all types of tuners. Easy to use, just remove knobs and spray. 64 B 2315. Wt. 1 lb. 99¢



Handy 3-piece non-metallic Alignment Stick Kit

Tip can be reground • No danger of shorting equipment **169**

For hard-to-get-at places. Fits standard coils in your amplifier, hi-fi tuner, tape deck or TV. Contains 3 screwdrivers: 1 12" fiber glass with 1/8" dia.; 1 12" fiberglass 1/4" dia. 1 7" delrin, 1/8" dia. 222. Wt. 1/2 lb. 1.69

Easy-to-use television Alignment Tool Kit

99¢
• Fits 90% of IF & RF transformers

Tool has 2 working ends. K-Tran screwdriver: 1/2" Delrin tip, 1/8" metal tip. Delrin wrench—11"—undercut end to reach bottom slugs. 223. Wt. 6 oz. 99¢

Color television Alignment Tool Kit

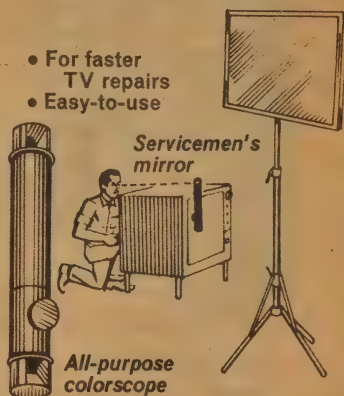
Non-metallic and safe to use
Have most wanted tools **259**

Slide through the nose for minor adjustments on your color TV. Tools contain ends to cover most iron core transformer adjustments. 2 screwdriver tips in extender. Handy pocket pouch. 220. Wt. 1/2 lb. 2.59



G-C Service Aids

- For faster TV repairs
- Easy-to-use



G-C 8381 Servicemen's Mirror. Super deluxe mirror is a must for TV servicemen. Made of unbreakable plexiglass with special swivel mount. Can be adjusted to old set height and to low boy height. Complete with stand. Size, 10x12". 64 B 6036. Wt. 3 lbs. 12.95

G-C 9454 Colorscope. Attaches easily to picture tube safety glass or tube face. Takes only minutes to static converge any color TV easily and accurately. Power optic magnifier enables brilliant viewing of the Red, Blue and Green Tricolor dot pattern. 64 B 6037. Wt. 2 lbs. 7.95

Handy Storage Drawer Cabinet



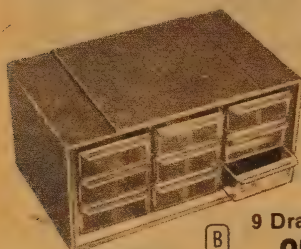
A 30 Drawer
5⁹⁵



C 15 Drawer
3⁹⁵



D 13 Drawer
7⁵⁰



B 9 Drawer
2⁵⁹



Steel-frame Cabinets

Low as **4³¹** Convenient "see-thru" drawers

Extra low prices on tool cabinets with husky all-steel welded frames for extra-heavy duty. Ideal for use in home or shop. Feature clear-plastic "see thru" drawers, 2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x5 $\frac{1}{2}$ ". Adjustable divider per drawer included. Baked-on enamel finish. Available in 18-, 24-, or 48-drawer models. Depth 6".

Stock No.	No. of Drawers	Size HxW	Wt. Lbs.	EACH
64 B 6002X	18	9x10"	5 $\frac{1}{2}$	4.31
64 B 6001X	24	9x13"	7	5.63
64 B 6003X	48	18x13"x13"		11.25

A 30-Drawer Cabinet. Versatile cabinet has ample room for small parts and components. Use it in the home workshop or garage to sort out hardware. Welded steel frame with enamel finish. "See-Thru" non-spill plastic drawers. Each drawer 1 $\frac{1}{2}$ x2 $\frac{3}{4}$ x5 $\frac{1}{2}$ " deep. With plastic dividers, labels. Overall size, 9 $\frac{3}{4}$ x17x6 $\frac{1}{2}$ ".

64 B 6000 X. Shpg. wt. 9 lbs. 5.95

B 9-Drawer Cabinet. "Unitized" steel frame storage and organizer cabinet with nine see-through compact 2 $\frac{1}{2}$ x1 $\frac{1}{2}$ x5 $\frac{1}{2}$ " drawers. Perfect for home, office, or shop use. Ideal for storing, protecting and transporting small articles. Handy adjustable drawer dividers and labels. Very attractive baked enamel finish. Overall size, 9 $\frac{3}{4}$ x6 $\frac{1}{2}$ x5".

64 B 2039 X. Shpg. wt. 4 lbs. 2.59



Portable Tool Carrier organizes articles

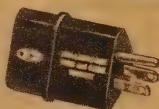
2⁹⁹

Revolves .. ends clutter

Portable "tool mate" holds 34 tools, and has 12 Compartments for nails, wire, tacks, etc. High-impact styrene. 21x10 $\frac{1}{2}$ x20 $\frac{1}{2}$ ". Good for compact storage.

64 B 2029 X. Shpg. wt. 1 $\frac{1}{2}$ lbs. 2.99

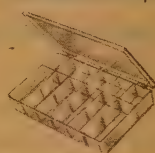
Dearborn 3-wire Ground and Polarity Tester



5⁹⁵ Quick and easy, safe to use

Circuit Guard. Tests for proper ground and polarity at 115-V 3-wire power outlets. Lights indicate Circuit OK, Improper Ground, Improper Neutral, Reversed Polarity, Reversed Ground and Power, No Power. Checks frame ground of travel trailers, too.

61 B 6021 X. Shpg. wt. 8 oz. 5.95



Super-strength see-thru plastic Utility Boxes

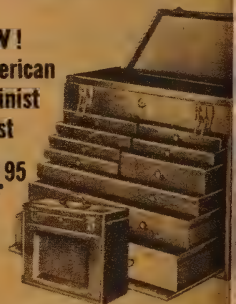
Low as **69¢**

Perfect for keeping small items safe neat. Ideal for sorting out machine wood screws, nuts, washers, and hardware. Shpg. wt. 2 lbs.

Stock No.	Size, In.	Sections
64 B 552	8 $\frac{1}{2}$ x4 $\frac{1}{2}$ x1 $\frac{1}{4}$	12
64 B 553	4 $\frac{1}{2}$ x2 $\frac{1}{2}$ x1	6
64 B 554	10 $\frac{1}{2}$ x5 $\frac{1}{2}$ x2	15

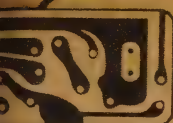
NEW!
All American Machinist Chest

24⁹⁵



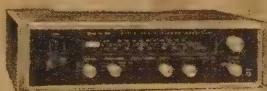
Model AA-270. Five-drawer chest two divided drawers, offers more space than most 7 drawer chests. Dr. automatically lock when cover is closed. Felt-lined drawers are 18 $\frac{1}{2}$ x7 $\frac{1}{2}$ " deep, two 1 $\frac{1}{2}$ " deep, one 2 $\frac{1}{2}$ ". Chest 13 $\frac{1}{2}$ x8 $\frac{1}{2}$ ". Storage capacity 1450 cu. in.

64 B 6004 X. Shpg. wt. 28 $\frac{1}{2}$ lbs.



Presenting 59 pages of fun-to-assemble electronic kits and hobby kits by Knight-Kit® and Science Fair™ .. manufactured and backed by Allied Radio Shack

Exclusive Knight-Kit Modular Concept gives you these important advantages. Most parts are mounted and soldered on PC circuit boards which are easily mounted on the chassis. All you do is make interconnections. Critical PC boards aligned at factory for highest reliability.



KG-996 Stereo Receiver, pg. 378



KG-988A Stereo Receiver, pg. 377



R-195 SW Receiver, pg. 410



Star Roamer II SW Receiver, pg. 410



KG-796 Stereo Tuner, pg. 375



KG-393 Rhythm Console, pg. 382



Monitor III VHF Receiver, pg. 405



KG-392 Rhythm Section, pg. 383

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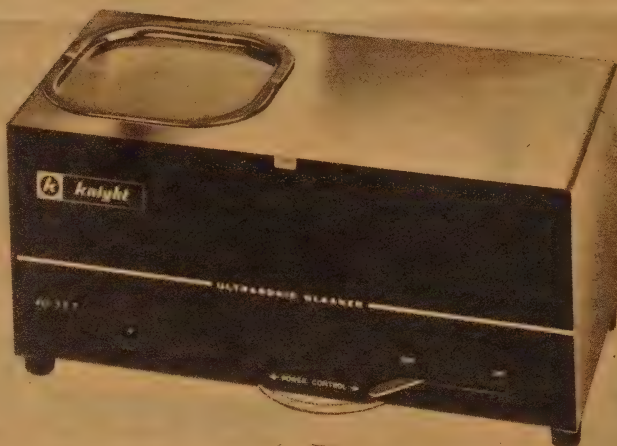
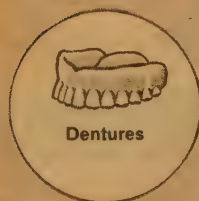
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NEW! Clean small items cleaner than new
with electronic "silent sound"

59⁹⁵

40-watt circuit operates at 90,000 cycles to make thousands of tiny bubbles to remove all grime from any solid object



Ultrasonic Cleaner Kit with built-in automatic 5-minute timer

Knight-Kit KG-357. This ultrasonic cleaner gives you the features of factory assembled cleaners at a far lower price. The full one-pint capacity can handle a wide variety of cleaning assignments. The superior ultrasonic cleaning action gets deep into inaccessible areas with results far better than ordinary cleaning. Ultrasonic cleaning also cuts the amount of handling required by normal cleaning methods. It's the easiest, fastest way to clean most any element (grease, rust, wax, tar) from instruments, miniature components, precision parts, jewelry, den-

tures, old coins, rusty parts, or any solid object that requires careful handling. The cleaner can be set for continuous operation, or be pre-set with the automatic timer. The power dial cleaning intensities from gentle low-power, to high-power for badly tarnished pieces. Designed with no tubes or transistors for dependable trouble-free performance. Stainless steel resists marring by normal cleaning agents. Size, 4" h. x 7" w. x 10" d. AC. With full instructions.

29 B 3233 X. Shpg. wt. 6 lbs.

34⁹⁵

NEW! Get professional-quality prints every time with this precision solid-state Photographic Timer Kit



Knight-Kit KG-292. Get complete accuracy of enlargers and other darkroom equipment. Time selection is adjustable from 1/10 second to 100 seconds in 10 second steps. Select desired time and push the start button. Timer automatically turns off the safelight, and the enlarger on. When the cycle is completed, the procedure is reversed. Compact layout permits rapid changes in time. An instant stop switch permits immediate recycling with better than 3% accuracy. Solid state construction handles up to 100 watt loads. Has complete isolation from lines, 4x9x4". All parts, instructions. 29 B 3222. Shpg. wt. 2 lbs.

Put adventure into every outing . . search for buried coins, antiques, gold and silver, lost valuables, anything metallic

29⁹⁵

\$5 monthly
see page 331

Offers a wide range of practical uses for complete versatility . . locates all metallic objects quickly and easily . . perfect for any kind of exploration



state construction
dependable operation
years of service . .
le to use

Treasure, underground pipes or anything else metallic— search for it with the Treasure/Metal Locator Kit

Knight-Kit KG-366. Bring along your own adventure each time you go on an outing. This Treasure/Metal locator kit makes the perfect camping companion for any member of the family. Locates coins, antiques, gold, silver. Detects an object as small as a half-dollar up to six inches beneath the ground. It can easily find that lost watch or money you lose at the beach, because it locates both ferrous (iron, steel) and non-ferrous (gold, silver, copper, tin) metals. Keeps children occupied for hours at a time. It's equally handy around the house. Saves both time and money when locating pipes hidden in walls. Cuts down on the amount of wall repair required by pin-pointing the problem. The same thing is true outside. There's no need to tear up your entire yard looking for that faulty water pipe. Has numerous other practical applications.

The Treasure/Metal locator is built for dependable performance and rugged use. The hermetically sealed circular coil is enclosed in a shock and heat-resistant resin potting compound to provide completely safe operation. A specially designed Faraday shield increases the unit's sensitivity for more accurate response, and greater resistance to false indications. A built-in 2 1/4" speaker is mounted facing the operator to provide him with accurate audible indication when he is approaching a metal object. The speaker's pitch increases as the operator comes closer to the object. The audio indicator provides a clear, positive signal that requires no other dials or meters to read. This simple and effective operating technique makes the Treasure/Metal locator easy for anyone to use immediately.

The unit is light in weight and has a comfortable built-in handle. The completely solid state circuitry with IC array (RCA 5-transistor) provides the unit with excellent stability, and prolonged reliability. The 36" handle is collapsible for compact storage, has a 6 1/2" diameter circular coil. Operates on a single 9 volt battery, order below. Comes with all parts and instructions for easy assembly.

29 B 3382 X. Shpg. wt. 3 lbs. **29.95**
23 B 464. 9-Volt Battery. Shpg. wt. 6 oz. **Each 35c**

ght-Kits are a product of Allied Radio Shack

365



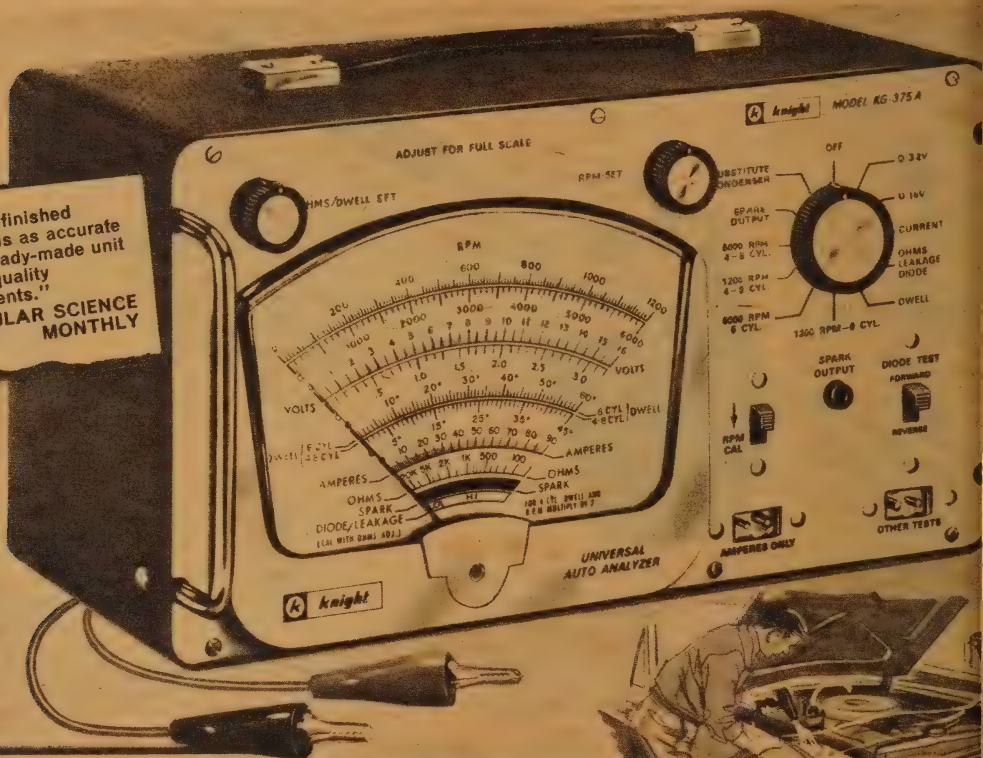
knight-kit
AUTOMOTIVE

Eliminate expensive auto tuneups... this Analyzer makes it easy to tune-it-yours

49⁹⁵

"Enables anyone to make his own tuneups... do his own troubleshooting with... ease..."
SCIENCE AND MECHANICS

"... The finished analyzer is as accurate as any ready-made unit... top-quality components."
POPULAR SCIENCE MONTHLY



These three books included



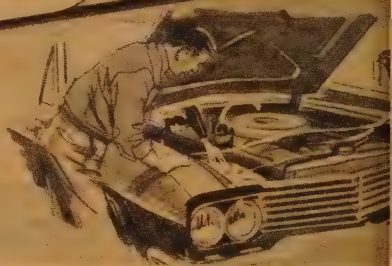
48-page tuneup manual has data on U.S. cars, trucks, even many foreign cars



Knight-Kit detailed step-by-step instructions make kit-building a breeze



Operation manual contains clearly detailed hook-up instructions



Portable solid-state Auto Analyzer Kit is battery powered for making actual road tests

Knight-Kit KG-375A. This thrifty kit can save you hundreds of dollars during life of your car and help you boost its performance too. Helps you do your tuneups, make repairs and adjustments. Lets you test your car's electrical ignition systems to determine needed repair work. Accurately checks voltage, current regulators, generators, alternator diodes. Detects distributor wear, condition of point surfaces, variation of dwell angle. Determines coil resistance, poor or open electrical ground circuits, much more. Battery-powered for road performance tests. Single function switch for operating ease. Ser D'Arsonval 7" meter. Has scales for 0-1200-6000 engine rpm; 0-3.2-16 volts; 0-20,000 ohms; 0-45° -60° -90° dwell angle; spark output and leakage. Metal case, 6½x12x5½". With roll bars, carrying handle, soft rubber feet. Includes tuneup, instruction, operation manuals; four "C" batteries, 90-amp shunt; 50 ft. wire. For 6 or 12 volt, 4, 6 or 8-cylinder engines, positive or negative gnd. 29 B 3323 X. Shpg. wt. 11 lbs.

Chilton's 1970 Auto Repair Manual

End costly auto repair bills. Save money by repairing your own car. This complete, authoritative, highly understandable manual gives all the information you need to Eake' virtually every car repair and adjustment. Handy illustrations and detailed step-by-step instructions make every man his own mechanic. Covers all U.S. cars, 1962 to 1970. Troubleshooting section. Over 1400 pages. 11¼x8¾". Hard cover. 62 B 7121 E. Shpg. wt. 7 lbs. 9.95

Accessory F

Perfect for use with analyzer. Re starter, vacuum fuel pump tester, pressure tester. 29 B 3349



Add this Electronic Ignition System to your car . . get the kind of ignition that powers some of Detroit's hottest models

29⁹⁵

Installs in car or boat in just 10 minutes . . adds new zip to your engine at a low, low price! Similar systems factory-installed would cost you twice as much, or more

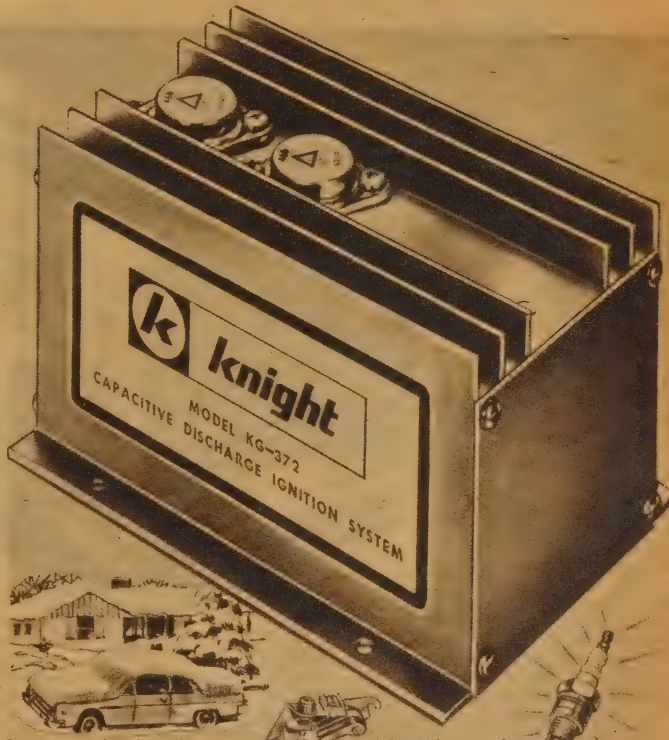
Capacitive-discharge Ignition System Kit adds extra energy and economy to your engine

Knight-Kit KG-372. Exciting low price for a solid-state kit that can offer dramatic performance improvement for your car. Also cuts operating costs. Provides many times the energy of ordinary systems to give you more complete combustion, faster acceleration and improved engine performance, plus 10% to 20% increase in gas mileage. Lets you drive many thousands more miles between tuneups.

Increased spark magnitude—from 3 to 4 times normal—assures improved ignition. Fast spark rise-time helps prevent fouling and electrode erosion, resulting in 3 to 10 times longer spark-plug life. Complete combustion reduces formation of residuals and other contaminants which shorten engine life. Once assembled, it installs in less than 10 minutes into standard ignition system with no rewiring, removal or addition of parts. Leaves original coil intact—disconnects in one minute for quick performance comparisons.

Uses advanced silicon-controlled-rectifier switching. Input current: 1-5 amps depending on rpm; 400-volt discharge pulse. Triggered by ignition points or any suitable source. Unaffected by temperature extremes or operating conditions; provides fast, sure starts in any weather. 3x5½x3½". With all-parts, solder and detailed assembly instructions. For 12-volt systems only, positive or negative ground.

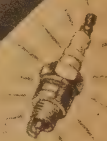
29 B 9575. Shpg. wt. 2½ lbs. 29.95
See next page for new, deluxe version of this kit



Faster starts even in subzero weather



3-10 times longer point and plug life



Hotter spark for more acceleration

High-Intensity Timing Light Kit for super-bright focused flashes

Built-in DC supply for flashes that make timing marks visible even in daylight

19⁹⁵

Kit-Kit KG-371. Lets you tune-up auto engines and set them accurately. Helps you get maximum fuel economy and power by making sure plugs are firing at proper intervals in compression cycle. Checks ignition timing, synchronization of double breaker-arms, auto-co spark-advance, distributor-cam wear. Built-in solid-state DC power supply and high-intensity 600-volt tube generate super-bright flashes, sharply focused through special light-concentrating lens.

Reverses up to 1250 flashes-per-minute. High-impact timing, trigger switch. Adapter-clip attaches high-tension cable between spark-plug and its wire. DC cables connect directly to car battery. 7x8½x2". With insulated alligator-clips, all cables, spark-plug adapter, instructions. For 12 volts, pos. or neg. gnd.
3312 X. Shpg. wt. 2 lbs. 19.95





NEW! Solid-state Ignition System Kit with 50% more spark energy, plus in-out switch for instant performance comparisons



44⁹⁵

Knight-Kit KG-397. Finest ignition system we've ever offered. Gives you every benefit of our popular KG-372 system on previous page, *plus* more power and more features for the ultimate in performance. Develops 50% more spark energy for most complete combustion possible. A spark magnitude that's 3 to 5 times normal gives you maximum acceleration, fastest possible starts in any weather, 3 to 10 times longer plug life, and 10 to 20% more gas mileage. Cleaner exhaust cuts air pollutants, too. New in-out switch lets you leave standard ignition system intact for making performance comparisons with no wiring changes. New weather-sealed case keeps out moisture for full efficiency in all weather. New cooling fins on end panels for cooler operation. Easy to assemble in one evening—then install it in your car in 10 minutes. With instructions. 3x5 1/2x3 1/4". For 12 VDC.

29 B 3203. Shpg. wt. 3 lbs. 44.95

SPECIFICATIONS

Input Source: 12-volt positive or negative ground battery, using generator or alternator. **Input Current:** 1-5 amps, depending on engine rpm. **Output Voltage:** 400-volt discharge pulse with controlled duty cycle. **Pulse Duration:** 600-800 μ sec at low rpm, low voltage; 200-300 μ sec at high rpm, high voltage. **Triggering:** ignition points or other source. **Open Circuit Secondary Voltage:** in excess of 40,000 volts from 500-10,000 rpm.



Save \$9.95 54⁹⁵

Timing Light and Ignition System Kit Outfit

Separately, \$64.90. Money-saving automotive kit outfit helps get your car in top shape and keep it that way. Consists of: Knight-Kit KG-397 Solid-State Capacitive-discharge Ignition System Kit and Knight-Kit KG-371 Solid-State Timing-Light Kit. Timing-light is vital in setting ignition timing, checking synchronization of double breaker arms, automatic spark advance and distributor cam wear. Has built-in DC power supply and high-intensity 600-volt flashtube for super-bright flashes. For 12-volt systems, positive or negative ground. 6 1/2x8 1/2x2". Both kits complete with parts, solder, instructions.

34 B 6001 X. Shpg. wt. 5 lbs. 54.95



Save \$14.40 80⁵⁰

Ignition System with Analyzer Kit Outfit

Separately, \$94.90. Outstanding automotive kit outfit—analyzer kit for tuneups and repairs plus capacitive discharge ignition system kit for top operating performance. Consists of: Knight-Kit KG-397 Solid-State Capacitive-discharge Ignition System Kit and Knight-Kit KG-375A Solid-State Auto Analyzer Kit. Auto analyzer performs dozens of checks; invaluable for tuneups and troubleshooting. Has scales for engine rpm, spark angle, spark output, leakage, much more. Full 7" meter. D'Arsonval movement, color-coded parts. For 6 or 12-volt systems, positive or negative ground.

34 B 6002 X. Shpg. wt. 14 lbs. 80.50

Install your own early warning system... for better driving safety

Gives advance warning within 1/2-mile range... warns you of dangerous zones and reduced speed limits



27⁹⁵



Solid-state Driver Alert Kit gives you full-time protection

Knight-Kit KG-381. Be on the alert for all speed zones! Compact wireless electronic detector gives audible warning of radar zones up to one-half mile away. Makes you aware of speed limits and dangerous areas to promote safer, more cautious driving. Dual-band circuit acts as an "electric eye" that detects all commonly used police radar speed meters and electronic control devices. Miniaturized and completely solid-state unit is powered by two 1000-hour mercury batteries. Specially designed magnesium case eliminates radio, TV and other

annoying interferences, prevents false warnings. Convenient volume control allows you to adjust loudness of warning signal. Clips to the sun visor of any car, no special connections necessary. Quick and easy assembly, with all critical parts pre-mounted on a printed-circuit board... all you need is a pliers, screwdriver and small soldering iron. Comes complete with solder, parts, batteries, sunvisor clip and instructions. Measures 2 1/4 x 2 3/4 x 3 1/4". Shpg. wt. 1 1/4 lbs. Use may be regulated by state laws. 29 B 3219.....27.95

Automatic Wiper Control Kit eliminates bothersome manual wiper adjustments... forever!

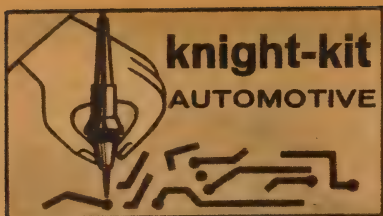
15⁹⁵

Knight-Kit KG-301. A Knight-Kit exclusive. Not a luxury, but an important contribution to your driving convenience and safety. Eliminates the damaging and annoying dry-wiper action common in light rain, fog, mist, or spray from cars ahead. Unique coding system allows you to program control for one full sweep of your blades as you need it... from once a second to once a minute. Also prolongs wiper blade life by reducing dry-wiper action 90% or more.

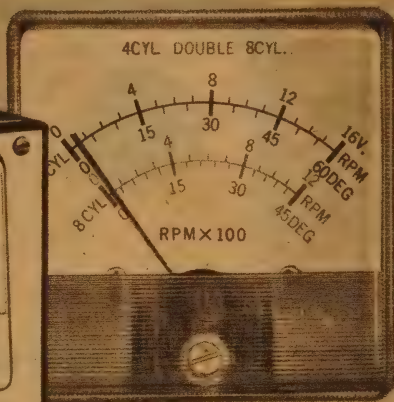
Operates with any 12-volt electrical wiper system. Installs simply and easily by attaching two clamp-on wires across regular wiper switch control. Has no effect on regular wiper operation. Also features Knight-Kit's famous ease of assembly... you need only a pliers, screwdriver and small soldering iron. Includes all necessary hardware, detailed step-by-step instruction manual. Overall size, 2x4x2". 29 B 3221. Shpg. wt. 1 1/4 lbs.....15.95



Simply set control for one full sweep of your windshield wipers from once a second up to once a minute



Get the best out of your car using these Performance Aids



All-in-one battery powered Junior Auto Analyzer Kit

19⁹⁵

no money down

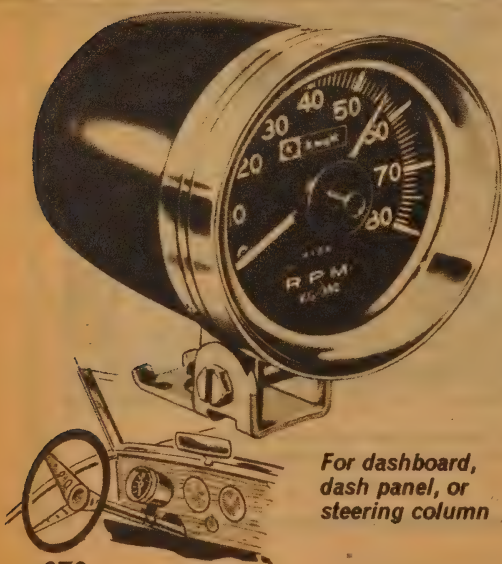
For easier tuneups and quick service on 4, 6 or 8-cylinder automobile engines

Knight-Kit KG-303. Solid-state kit is fully portable for fast, easy ups and simplified trouble-shooting. Full-size 2 1/4" meter has four ranges from 0-6000 rpm; two dwell angle ranges from 0-60°; plus 0-1 voltmeter range. Compact size and self-contained battery let you use it anywhere for road testing. For 4, 6 or 8-cylinder engines with 6 volt, positive or negative ground ignition. Tachometer scales, engine rpm—help you set idling speed and automatic transmission shift points. Dwell meter tests points, distributor, and spark advance. Voltmeter measures battery and voltage to any component in your car. Also tests fuses and circuit continuity. Size, 6 1/2 x 3 1/2 x 2 1/2". With battery and clear instructions. For 6 or 12 volts, positive or negative ground.

29 B 3327 X. Shpg. wt. 3 lbs.

SPECIFICATIONS

Voltmeter Range: 0-16 volts. **Tachometer Ranges:** 0-1200, 1600, 4500, 6000 rpm. **Dwell Meter Ranges:** 0-45° and 0-60°. **Accuracy on All Ranges:** ±6% of full scale. **Controls:** Function Switch, Tachometer HI-LO Switch, RPM Set Control, Dwell Set Control and Meter Adjustment Control. **Power Source:** self-contained 9-volt battery.



Illuminated auto/marine Tachometer Kit helps you get improved performance and increased gas mileage from your engine

17⁹⁵

Ultra-stable all-electronic design compensates for normal changes in voltage and temperature

Knight-Kit KG-340. Get top performance from your car or boat. Let us know exactly when to up-shift for best acceleration, when to down-shift to avoid lugging. Just set pointer to proper shift points. Deluxe sensitivity engine-speed indicator works with any 4, 6 or 8-cylinder engine, positive or negative ground. You save money by getting better gas mileage and by assembling kit yourself. Mounts for visibility on dashboard or steering column. Range, 0-8000 rpm. Accuracy, ±2%. Deflection Angle, 240°. Shock and vibration resistant. Two-point connect to engine key or light switch for dial illumination. Big, clear dial with rotatable bezel. Black with chrome finish. With all parts, and clear instructions.

29 B 3330. Shpg. wt. 2 lbs.

For dashboard, dash panel, or steering column

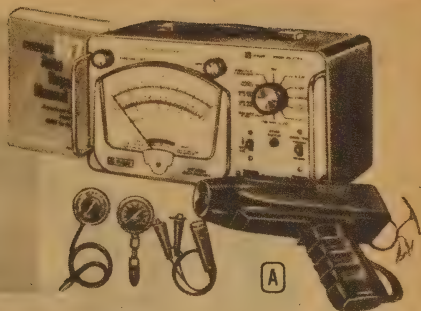
Want faster performance and better gas mileage? Build a Knight-Kit Tuneup and Repair Outfit!

A Deluxe Outfit for complete tests

Separately, \$88.80. Excellent choice for complete trouble-shooting capability. Makes extensive tests and analyses. Includes: Knight-Kit KG-375A Deluxe Auto Analyzer Kit, Knight-Kit KG-371 Timing Light Kit, Chilton's 1970 Auto Repair Manual (covers all U.S. cars, 1962-1970), Assembled Compression Tester, Vacuum and Fuel Pump Tester, and Remote Starter. Auto analyzer and timing light permit comprehensive testing of electrical systems so that you can make adjustments for top performance. Testers check gas lines, valves, pistons, cylinder head gasket. Remote starter permits under-the-hood starting for one-man testing. Knight-Kits complete with all parts, folder, clear instructions; other units assembled.

4 B 6006 L6X. Shpg. wt. 22 lbs. 75.50

Save
\$13.30
75⁵⁰

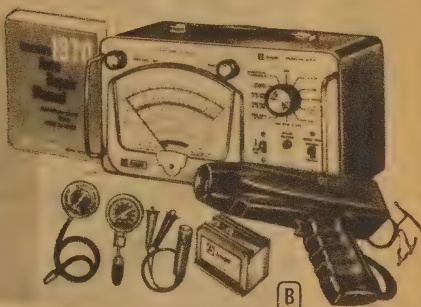


B Our finest! 7-piece Outfit

Separately, \$118.75. Our finest tuneup and repair instruments, plus a capacitive-discharge ignition system kit for longer spark-plug life. Includes: Knight-Kit KG-375A Deluxe Auto Analyzer Kit, Knight-Kit KG-371 Timing Light Kit, Knight-Kit KG-372 Capacitive-Discharge Ignition System Kit, Chilton's 1970 Auto Repair Manual, Assembled Compression Tester, Vacuum and Fuel Pump Tester, and Remote Starter. Deluxe Auto Analyzer and timing light accurately check electrical systems and permit precise adjustments. Testers check gas lines, valves, pistons, cylinder head gasket. Ignition system offers up to 20% increased gas mileage, 3 to 10 times longer sparkplug life, and reduced engine maintenance.

4 B 6005 L7X. Shpg. wt. 26 lbs. 99.95

Save
\$18.80
99⁹⁵

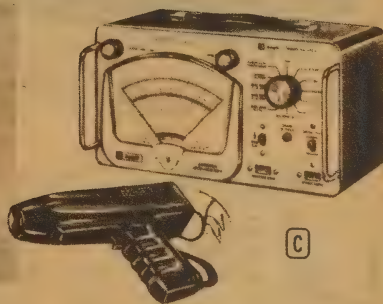


C Analyzer and Timing Light Outfit

Separately, \$69.90. Helps you get your car in top operating condition. Includes: Knight-Kit KG-375A Deluxe Auto Analyzer Kit and Knight-Kit KG-371 Timing Light Kit. Portable analyzer has solid-state circuit. Scales show volts, amps, ohms, engine rpm, dwell angle, spark output and leakage. Checks generators, alternator diodes, voltage and current regulators, distributor wear and condition of point surfaces. Self-contained battery power supply. Solid-state timing light kit "stops" timing marks on engine flywheel—helps set proper timing for top power and fuel economy. For 4, 6 or 8-cylinder engines, 6 or 12 volts, positive or negative ground.

4 B 6004 L2X. Shpg. wt. 13 lbs. 59.90

Save
\$10.00
59⁹⁰

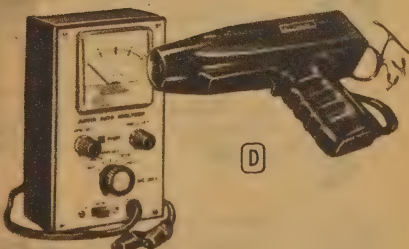


D Junior Analyzer and Timing Light

Separately, \$39.90. Inexpensive outfit helps bring out the best in your car's engine. Includes: Knight-Kit KG-303 Junior Auto Analyzer Kit and Knight-Kit KG-371 Timing Light Kit. Portable, solid-state junior auto analyzer has self-contained battery power supply for on-the-road testing. Gives readings of engine rpm, dwell angle and voltage to any electrical component in your car. Has easy-to-read 2 1/2" meter with D'Arsonval movement. Timing light is powered by built-in DC supply, not by ignition coil, for flashes that make timing marks visible even in daylight. Instructions. For 4, 6 or 8-cylinder engines, 6 or 12 volts, pos. or neg. gnd.

4 B 6003 L2X. Shpg. wt. 6 lbs. 34.90

Save
\$5.00
34⁹⁰





Now, one kit makes you a safer boater
and an expert fisherman

74⁹⁵

*no money down

Avoid going aground, find schools of fish . . even in strange waters, you'll take home a bigger catch everytime



Sends down of ultrasonic waves . . one flash indicates depth of water



School of fish is indicated by group of thin flashes on depth meter



Very wide flash shows uneven sloping bottom warns you of nearby shoals

Includes all this



Gimbal-type mounting bracket



Round plastic sun shade



Transducer and brass mounting bracket



Battery jack for external 12 VDC power

Ultrasonic Depth Meter/Fish Locator Kit takes depth soundings and indicates how deep you should fish

Knight-Kit KG-711. Scientifically, you'll know where the fish are and how deep. Large schools of fish, and finds deep holes where the fishing is best. Invaluable aid for navigation too . . lets you cruise without fear of going aground. Consists of fish/depth dial that connects to transducer unit using 15-ft. shielded cable. Electronic transducer attached to transom, side or boat bottom sends down a cone of silent ultrasonic waves which return as echoes that are measured on fish/depth dial. Dial indicates the distance between water surface and bottom, and an intervening large fish or school of fish is indicated by a group of thin flashes on the dial. Takes depth soundings to 200 ft. on hard bottoms, 100 ft. on soft bottoms. Easy-to-read dial has round plastic sun shade. Switch controls wave volume/on-off control. Dial, 5x5 1/2x5". Detailed assembly and operating instructions. Includes: gimbal-type mounting bracket for dial, brass mounting bracket for transducer, dial sun shade, cable, battery jack for using boat's 12-VDC battery. Uses 23 B 3322 X batteries (order below) or 12 VDC.

29 B 3322 X. Shpg. wt. 8 lbs. Pkg. of 2 for \$14.95
23 B 5002. "C" Batteries. Shpg. wt. 10 oz. Pkg. of 2 for \$14.95

SPECIFICATIONS

Dial Calibration: 0-200 feet in 1-ft. divisions. **Range:** 0-200 feet on hard bottoms, 0-100 feet on soft bottoms. **Frequency:** 200kHz. **Accuracy:** Within 5% of actual depth. **Depth Indication:** Neon lamp flashing at 0 ft. and again at indicated depth (group of thin flashes between 0 ft. and indicated depth show location of fish). **Transducer:** Barium titanate ceramic element encased in a waterproof plastic housing with mounting fittings and 15-ft. shielded cable.

*See page 331 for full Credit details

Surround yourself with sound, but do it quietly

17⁹⁵

Especially when she's talking on the telephone. Even at full volume, these headphones let you listen to your favorite music without disturbing others. So keep on listening. Quietly.



Knight-Kit/Koss deluxe Stereo Headphone Kit with separate volume control for each ear

Knight-Kit KG-802. These headphones let you enjoy everything from Bach to the Beatles, at full volume, even at midnight—without disturbing anyone! Made to our specifications by Koss, a leading manufacturer, these easy-to-assemble headphones deliver full-response stereo sound and total channel separation. Comfortable foam-cushioned earcups help seal in sound, seal out distracting noises. So you can hear music as loud as you like it, whenever you want to listen.

Durable, lightweight plastic headband is fully adjustable. Provides hours of relaxed listening pleasure without fatigue. Large $3\frac{1}{2}$ " dynamic elements deliver smooth frequency response from 20-16,000 Hz. Separate volume controls in each earpiece. Impedance, 4-16 ohms. With 8-ft. cord, standard $\frac{1}{4}$ " phone plug, solder and instructions. **29 B 3380.** Shpg. wt. $2\frac{1}{2}$ lbs. **17.95**



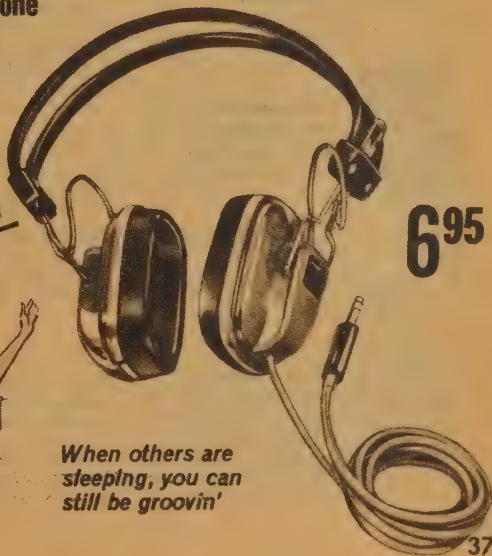
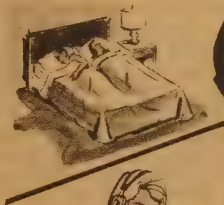
Separate volume controls for left and right channels assure perfect stereo balance

Even at this low price, our budget Stereo Headphone Kit gives you wide response of 20-15,000 Hz

No matter how late, no matter how loud, you can listen to your favorite music whenever you like

Knight-Kit KG-801. Ideal for late-at-night stereo-listening pleasure. A real must for night owls living with early-to-bed, early-to-bed roommates or relatives. Headphone kit produces stereo with good realism and response. Comfortable earcushions seal in melody, seal out stereo sound, seal out room noises. In complete privacy, you can enjoy all the volume you want without disturbing others.

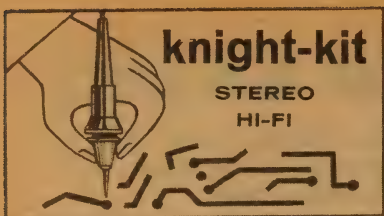
Fully adjustable headband and padded earcushions for maximum comfort. So lightweight, you hardly know you're wearing them. Frequency response, 20-15,000 Hz. Clear, step-by-step instructions make assembly easy. With 6-ft. cord and standard $\frac{1}{4}$ " phone plug that matches most amplifiers and receivers. **29 B 3359.** Shpg. wt. 1 lb. **6.95**



6⁹⁵

When others are sleeping, you can still be groovin'

Knight-Kits are a product of Allied Radio Shack



Get our own Knight-Kit®
60-watt solid-state Stereo
Amplifier Kit . . your best buy
in a medium-power model



SOLID-STATE CIRCUIT PLUS OTHER IMPORTANT FEATURES



Uses silicon
transistors
for cleanest
possible sound



Two printed
circuit boards
make assembly
fast and easy



Two convenient
AC outlets in
back for tuner
and turntable



Step-by-step
instruction
manual with
illustrations

You've never heard it so good at this low price!

79⁹⁵
less
case

no money down

see page 331

Knight-Kit KG-865. World's best value in a stereo amplifier kit. No other kit offers much at this amazing low price. All *silicon* transistors for purest sound at all frequencies. Special circuit eliminates all audio transformers for a flat frequency response from 30,000 Hz for stereo realism, that rivals the original performance. And, unlike other amplifiers, it delivers full power output across the audio range . . . there is no power loss at bass frequencies where you need it most. Premium-quality semiconductors, including special preamplifier transistors, cut distortion to less than 1%. You could spend more and still not match all the features of this amplifier kit!

Front-panel controls adjust for the precise sound you want to hear. Ganged volume, bass and treble let you match room acoustics and individual tastes. Convenient stereo control switches instantly to phono, tuner or auxiliary. Stereo/mono switch makes sound source for best response. Stereo headphone jack and speaker muting switch. Pilot light. Separate on-off switch lets you keep permanent volume setting.

Heavy-gauge extruded aluminum front panel with walnut-finish inserts. Has input for magnetic cartridge, tuner and auxiliary. Size, 3 $\frac{3}{4}$ "x13"x10". With solder and instruction manual. Takes optional case on facing page. AC. 29 B 3700 X. Shpg. wt. 10 lbs.

SPECIFICATIONS

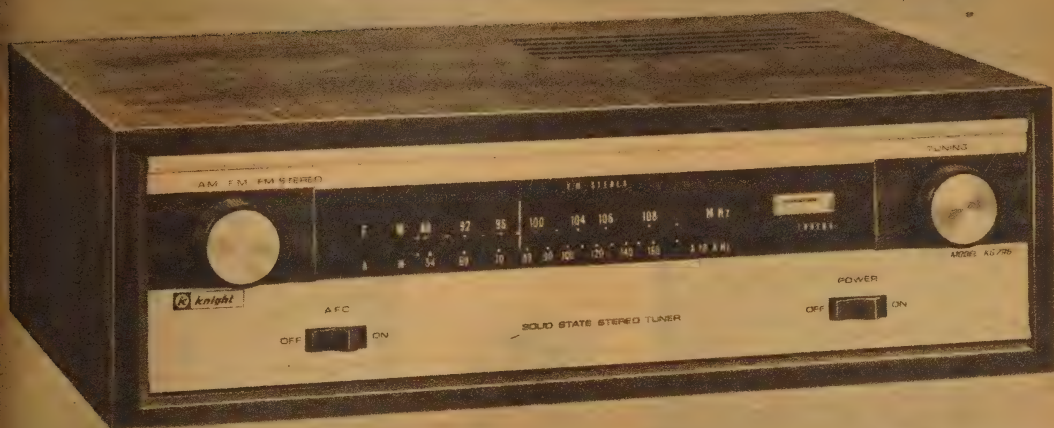
Output at 4 Ohms: 60 watts ± 1 dB, 50 watts IHF, 15 watts rms per channel. Response: ± 1 dB, 18-30,000 Hz. Power Bandwidth: 20-20,000 Hz at 1% harmonic distortion. Hum and Noise: Tuner, Aux. inputs. -65 dB; Mag. Phono, -60 dB. Crosstalk Separation: over 50 dB. Impedances: 4-16 ohms; plus stereo headphones. Distortion Factor: 50. IM Distortion: under 1% at 60 Hz and 7000 Hz mixed 4:1 at rated power. Input Sensitivity: Mag. Phono, 5 mV; Tuner and Aux, 400 mV. Power Requirement: 130 volts, 60 Hz AC.

Use our convenient Credit Fund Plan to buy

The PULLER . . this Tuner Kit pulls in stations other tuners may not get

79⁹⁵
less
case

no money down
see page 331



You can't get a better buy in a Stereo FM-AM Tuner Kit

Only Knight-Kit offers a solid-state tuner with so many features at such a low price . . Not just one, but two tuned RF stages pull in high-fidelity stereo from stations other tuner kits may not get at all . . Wideband circuit for full-fidelity AM, too

Knight-Kit KG-796. Today's best value in a build-it-yourself tuner with circuits usually found only in top-of-the-line models. Field-effect transistor front-end gives high sensitivity needed for strong, clear stereo FM. All silicon transistors give distortion-free performance. Wideband IF circuits and wideband detector permit a natural response from 30-15,000 Hz to equal the finest stereo records and tapes. Full 10-kHz bandwidth on AM assures best possible fidelity, and a filter circuit helps to screen out whistles on weak or distant stations.

Auto tune in stations with pinpoint accuracy thanks to a signal-strength FM-AM tuning meter. Edge-lit dial and smooth flywheel tuning system. When a stereo program is tuned in circuit automatically switches to stereo and FM stereo indicator lights. AFC locks in FM stations to prevent drift.

Heavy-duty aluminum front panel with walnut-finished inserts gives expensive, factory-assembled appearance—a perfect match for our Stereo Amplifier Kit at \$39.95. 6x13x10" deep. Complete with indoor dipole FM antenna, built-in AM antenna, solder, wire and step-by-step instructions. Optional case below. AC.

B 3918 X. Shpg. wt. 7 lbs. **79.95**
B 3713 X. Oiled Walnut Wood Case. Shpg. wt. 6 lbs. **14.95**

SPECIFICATIONS

I. Usable IHF Sensitivity: 3 microvolts. **Response:** ± 1 dB, 30-15,000 Hz. **Harmonic Distortion:** less than 1.0 %. **Hum and Noise:** -50 dB. **Tuning Range:** 88-108 MHz. **Capture Ratio:** 3 dB. **IF Rejection:** more than 80 dB. **Image Rejection:** greater than 50 dB. **Output Voltage:** 0.8 volt with 1000 μ V input signal, 100% modulated at 400 Hz. **Channel Separation:** 35 dB or more at 1 kHz. **SCA Rejection:** 35 dB or more. **Antenna:** 50-ohm input. **AM. Sensitivity:** 50 μ V for 20 dB signal-to-noise ratio at 600 kHz. **Bandwidth:** 10 kHz at 25-dB-down points. **Hum and Noise:** 38 dB. **IF Rejection:** nominal 35 dB at 1000 kHz; **Image Rejection:** 35 dB.

Knight-Kits are a product of Allied Radio Shack

MODULAR CONCEPT



Exclusive
with
Knight-Kit

Knight-Kit's Modular Concept means that most parts are factory mounted and soldered on printed circuit boards. Critical circuits are already wired, aligned and tested for maximum performance and dependability. Boards mount easily into chassis. All you have to do is solder the interconnections, so assembly is fast and simple. You get the savings and satisfaction of assembling the kit yourself, plus the benefits of professional factory assembly.



Sensitive
FET
Front-end



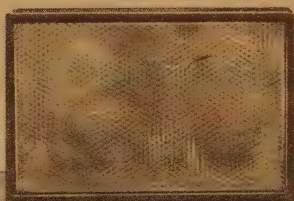
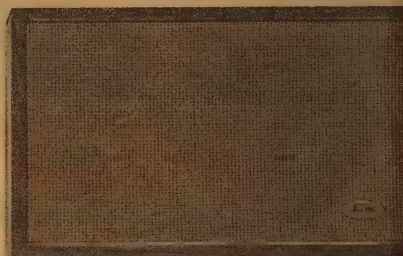
FM-AM
tuning
meter



Stereo
light



Easy
assembly



NEW! Knight-Kit 240-watt Stereo FM-AM Receiver Kit . . best and most powerful ever

229⁹⁵

Why pay more? This kit has more power, more value than others costing \$285 to \$350 . . and the walnut case is included

Knight-Kit KG-996. The world's best value in a stereo receiver kit . . and we really mean what we say! We urge you to compare its specifications with the other leading brand so you can see how much more power and features it offers for your money. The KG-996 delivers over 120 watts of rms power, more than any other stereo FM-AM receiver kit. And it has an FET front end for finest FM from all stations, weak or strong. All silicon-transistors cut distortion to almost unmeasurable levels. IC's in the IF stages eliminate hundreds of soldered connections. Even the AM circuit has a 10,000 Hz bandwidth for excellent fidelity. The full-feature preamp has latest sliding-type bass and treble controls. Beautifully illuminated dial "blacks out" when power is switched off. And you get the benefits of Modular Concept—only Knight-Kit has it.

Also features smooth-acting toggle switches for between-station FM silencing, scratch and rumble filters, loudness, AFC. Function switch selects left or right channels, stereo, stereo reverse, mono, or tape monitor. Five-way switch for AC, main or remote speakers, main-plus-remote speakers, speakers off. Stereo headphone jacking. Inputs for tape head, magnetic phono, crystal phono, aux. Signal-strength tuning meter, stereo FM light, automatic stereo-mono FM switching. With easy instructions. With walnut veneer case, 5x18½x14½".

29 B 3950 U. Shpg. wt. 26 lbs. **229.95**

SPECIFICATIONS. Amplifier. Output at 4 ohms: 240 watts ±1 dB, 190 watts IHF, 124 watts rms. Response: ±1 dB, 20-30,000 Hz. Harmonic Distortion: 1%. FM Circuit. Sensitivity: 2 µV. Separation: over 30 dB. Signal/noise: 50 dB. AM. Image Rejection: -45 dB. IF Bandwidth: 10 kHz. Power Requirement: 110-130 V, 60 Hz AC.

State-of-the-art features

FET front end



Sliding bass, treble controls



"Magic" black-out dial



Efficient integrated circuits



Knight-Kit's exclusive Modular Concept for easiest kit-building ever!

Simplified Assembly. Most parts are mounted and soldered on PC boards. Boards mount quickly, easily on chassis. All you need do is solder the interconnections.

Better Performance and Dependability. Critical PC boards are wired and completely aligned at the factory for greater stability and extra dependability.

Satisfaction and Enjoyment. You have the satisfaction of assembling the kit yourself, the dependability of a factory-assembled model at a low kit price.

Knight-Kit 100-watt Stereo FM-AM Receiver Kit . . power and features at a modest price

189⁹⁵

All silicon-transistors, FET's and IC's for superb FM and plenty of power . . at about \$100 less than you'd expect to pay!

Knight-Kit KG-988A. Loaded with big features that you wouldn't expect to find in a receiver at this low price! Super-reliable silicon solid-state circuit and a host of other important extras assure magnificent stereo. Field-effect transistors provide a high level of stereo FM sensitivity and interference rejection. Integrated circuits in the preamplifier for highest fidelity. Special Complementary Symmetry Circuit (no audio transformers) for full power and response over the entire audio range. Stereo amplifier delivers a powerful 100-watt output cleanly, without distortion.

Between-station muting switch lets you tune any FM station from a background of silence, not noise. Wide illuminated dial, flywheel tuning and signal-strength meter for effortless station selection. AFC locks in FM signals to prevent drift. Loudness switch lets you play your system with full response, even at low volume levels. Separate bass and treble, balance, volume controls. Scratch and rumble filters. Tape monitor switch; stereo headphone jack; outputs for two pairs of speakers; inputs for magnetic or ceramic phono, tape monitor, aux. With walnut veneer case, 5½x17¾x14". With step-by-step instructions.

29 B 3923 U. Shpg. wt. 24 lbs. **189.95**

SPECIFICATIONS. Amplifier. Output at 4 ohms: 100 watts ±1 dB, 80 watts IHF, 30 watts rms. Response: ±1 dB, 20-30,000 Hz. Harmonic Distortion: 1%. Tuner Circuit. FM. Sensitivity: 2 µV. Separation: over 30 dB. Signal/noise: 45 dB. AM Image Rejection: 70 dB. Power Requirement: 110-130 V, 60 Hz AC.

Important extras at a low kit price



5-position selector



FET front end



Integrated circuits

Save up to \$145.30 on deluxe Stereo Systems featuring Knight-Kit's 240-watt Stereo FM-AM Receiver Kit

Field-effect-transistors in front-end for super-sensitivity . . Integrated circuits for highest fidelity sound . . power enough to drive 2 sets of speakers

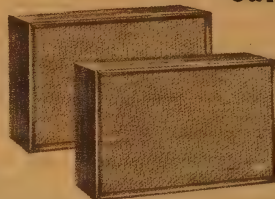
329⁵⁰ Budget 240-watt Stereo System with Garrard 40B changer and Allied 12" speaker systems

Separately, \$399.80. Enjoy brilliant stereo at big savings. Knight-Kit KG-996 Stereo FM-AM Receiver delivers tremendous 240-watts of power for magnificent sound. Boasts FET front-end plus IC's for outstanding reception. With wood case. Garrard 40-B 4-speed Record Changer has automatic cuing, stylus pressure gauge, easy-to-use slide-in cartridge holder. With walnut base. Empire 909E/X magnetic Stereo Cartridge for perfect tracking, great reproduction. Two Allied 3040K Speaker System Kits featuring a huge 12" woofer for room-filling bass, 6" cone-type midrange with 3½-ounce Alnico V magnet structure and 3½" cone tweeter with 2-ounce Alnico V magnet structure for wide dispersion, clear, brilliant highs over the widest possible area for that truly "big" sound. Speakers assemble easily with only a screwdriver—then rub in oiled walnut finish. System complete with all connecting cables, cords, instructions. Don't miss this outstanding offer.

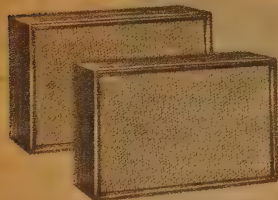
34 B 6007 L6U. Shpg. wt. 88 lbs. 329.50



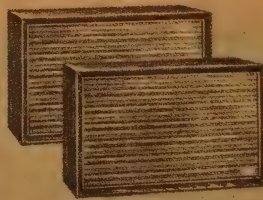
Save \$70.30



Big-value 240-watt Component System with Garrard SL-72B automatic turntable and Allied 3-way 12" systems



240-watt prestige System featuring Garrard SL95B automatic turntable and Allied 3-way 12" speaker systems



369⁵⁰ Save \$125.30

Separately, \$494.80. Special money-saving offer on this top quality stereo FM-AM system. Knight-Kit KG-996 Receiver has features, power and performance found only in much costlier equipment. FET's and IC's for superb stereo FM sound and signal-pulling power. Excellent AM circuit, too. With walnut case. Garrard SL-72B Automatic Turntable for accurate 33½ 45 and 78 rpm speeds, flawless tracking. Base included. Empire clean-tracking 909E/X stereo Cartridge with diamond stylus-tip, great separation. A pair of Allied 3040 oiled walnut bookshelf Speaker Systems provide fine sound through a big 12" woofer, 6" cone-type midrange and 3½" tweeter. ¾" enclosure insures perfect response from each element. With all cables and easy-to-follow instructions.

34 B 6008 L6U. Shpg. wt. 88 lbs. 369.50

429⁵⁰ Save \$145.30

Separately, \$574.80. Beautiful stereo music, magnificently reproduced at a price you can't afford to pass up! Features the Knight-Kit KG-996 solid-state Stereo FM-AM Receiver. Sensitive FET front-end pulls in weak FM stations. IC's for higher reliability. With walnut wood case. Garrard SL95B speed Automatic Turntable with exclusive Synchro-Lab motor for precise speeds, many other features to protect your records—automatic or manual operation, damped cuing, anti-skate. With base. Shure M91E elliptical-stylus Stereo Cartridge for lightest tracking, smoothest sounding reproduction of records. Two Allied 2330A 3-way 12" Speaker Systems with woofer, 6" midrange and 3½" tweeter for startling realism. With cables, cords and full instructions.

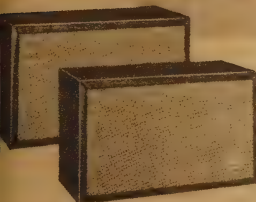
34 B 6009 L6U. Shpg. wt. 115 lbs. 429.50

Knight-Kit deluxe solid-state Stereo FM-AM music Systems featuring this powerful 100-watt Receiver Kit

Silicon-transistors, FET's and IC's for superb FM and plenty of power



Save \$50.30



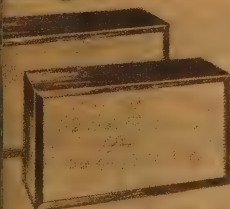
279⁵⁰

**100-watt System features
Garrard SL40B changer,
Allied 8" speaker systems**

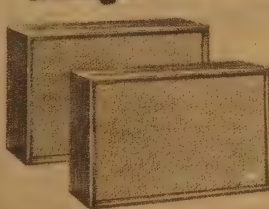
Separately, \$329.80. Exceptional value in a complete stereo system featuring Knight-Kits fabulous 988A, powerful 100-watt stereo FM-AM Receiver Kit with all silicon-transistors, FET's and IC's for superb FM and plenty of power. Complete with walnut veneer case. Famous Garrard 40B, four-speed Record Changer featuring four-pole motor for exact speeds and damped cuing with option of manual or automatic operation. Complete with base. Also light-tracking Empire 909EX magnetic stereo Cartridge for smooth record play, superior performance. Two Allied 3007 two-way 8" Speaker Systems, each featuring an 8" woofer with heavy magnet for good bass, and 3 1/2" tweeter for brilliant treble response. With solid 3/4" wood enclosure with walnut moldings and handsome oiled walnut finish. System includes all cables and plugs, pre-mounted cartridge and complete, easy-to-follow illustrated setup instructions. AC. Shpg. wt. 74 lbs.

34 B 6010 L6U. 279.50

**100-watt Stereo System features
Garrard 3-speed automatic turntable
and Allied 12" speaker systems**



**Outstanding 100-watt System with
Garrard SL72B automatic turntable
and Allied 3-way 12" speaker systems**



Save \$70.30

329⁵⁰

Separately, \$399.80. Music lover's system includes Knight-Kit's 988A silicon solid-state 100-watt Stereo FM-AM Receiver Kit with all silicon-transistors, FET's and IC's for superb FM and plenty of power. Complete with walnut veneer case. Famous Garrard 40B, four-speed Record Changer featuring four-pole motor for exact speeds and damped cuing with option of manual or automatic operation. Complete with base. Also light-tracking Empire 909EX magnetic stereo Cartridge for smooth record play, superior performance. Two Allied 3007 two-way 8" Speaker Systems, each featuring an 8" woofer with heavy magnet for good bass, and 3 1/2" tweeter for brilliant treble response. With solid 3/4" wood enclosure with walnut moldings and handsome oiled walnut finish. System includes all cables and plugs, pre-mounted cartridge and complete, easy-to-follow illustrated setup instructions. AC. Shpg. wt. 74 lbs.

34 B 6011 L6U. Shpg. wt. 87 lbs. 329.50

Save \$100.30

369⁵⁰

Separately, \$469.80. Fantastic value in a system of quality components featuring the Knight-Kit KG-988A solid-state Receiver Kit with all silicon-transistors, FET's and IC's for superb FM and plenty of power. Complete with walnut veneer case. Famous Garrard 40B, four-speed Record Changer featuring four-pole motor for exact speeds and damped cuing with option of manual or automatic operation. Complete with base. Also light-tracking Empire 909EX magnetic stereo Cartridge for smooth record play, superior performance. Two Allied 3007 two-way 8" Speaker Systems, each featuring an 8" woofer with heavy magnet for good bass, and 3 1/2" tweeter for brilliant treble response. With solid 3/4" wood enclosure with walnut moldings and handsome oiled walnut finish. System includes all cables and plugs, pre-mounted cartridge and complete, easy-to-follow illustrated setup instructions. AC. Shpg. wt. 74 lbs.

34 B 6012 L6U. Shpg. wt. 83 lbs. 369.50

Knight-Kits are a product of Allied Radio Shack



These lights

NEW! Four-channel Color Organ Kit makes music a sparkling kaleidoscope of color

69⁹⁵

Music is at its best when it's brought to you in vivid color

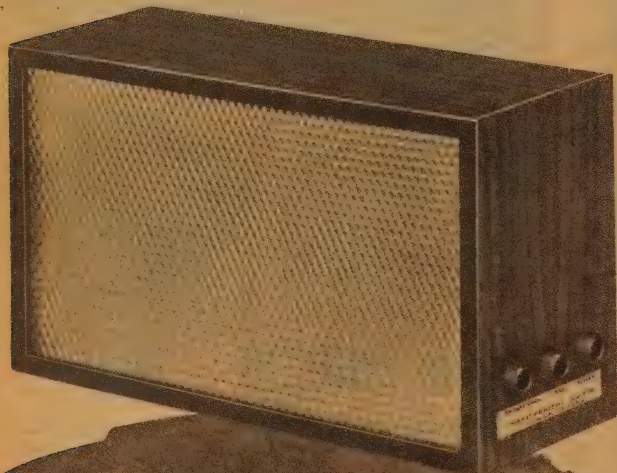
Knight-Kit KG-606. There's no value like this in a four-channel color organ kit anywhere! It's the ideal thing to liven up parties, bands and get-togethers. The room will turn on with rich radiant kaleidoscope colors. Reds, yellows, blues and greens sparkle to the beat and frequencies of your favorite music to create an endless variety of fascinating color patterns. Features separate controls for each channel to let you adjust the brightness of each color. Separate sensitivity control lets you adjust intensity for different music volumes.

Four separate inputs respond to four different frequency ranges to activate corresponding colors. Sound sensitive color controller responds to the different music volumes to vary the intensity of the colors. The various volume levels and frequencies in music combine to create a brilliant ever-changing color program. You actually see the music.

Easy-to-assemble kit connects to speaker terminals of any audio amplifier, radio, tape recorder or phonograph. Uses four 7 1/2-watt bulbs per channel, available anywhere for easy replacement. Dependable solid-state circuit. Handsome oiled walnut veneer case, 15x30x11". AC.

29 B 3224 U. Shpg. wt. 15 lbs. **69.**

Make your music shine with a spectacular colored light show



Three-channel Color Organ Kit adds new dimensions to your music

39⁹⁵

no money down
see page 331

Knight-Kit KG-338. Turn your music into an exciting psychedelic light-show with this easy-to-build color organ kit. Vibrant reds, greens and blues dance to the beat and pitch of your favorite music to create a spectacular color display. You actually see your music come alive in an endless variety of fascinating patterns.

Three-channel fully electronic system has inputs, separate frequencies and match them to different color. Sound sensitive color controller responds to different volume levels to create various color intensity levels. The infinite combinations of frequency and volume level in music gives you an endless array of sparkling color patterns. Ganged On-Off/Master control lets you adjust brightness of all colors at once for different music volumes. Separate color controls let you adjust reds and greens. Prismatic glass lens gives a bright "three-dimensional" effect. High sensitivity and input impedance permit intense color displays even at normal listening levels. Music quality is in no way affected.

Color organ hooks up easily. Simply connect to speaker leads of any audio amplifier, radio, recorder, phonograph. Handsome vinyl-clad wood case, 8 1/2 x 14 1/2 x 5 1/2", simulated walnut veneer. Uses standard G.E. bulbs (No. D33), available anywhere for easy replacement. With all necessary parts, 9 bulbs, instructions. AC.

29 B 3379 X. Shpg. wt. 10 lbs. **39.**

make music so exciting you have to see it to believe it

NEW! Strobe Light Kit makes your room a psychedelic scene

Exciting strobe with adjustable rate control actually makes your room "vibrate" with pulsating light

29⁹⁵ no money down
see page 331



Strobe Light Kit KG-323. Now you can buy this psychedelic sensation at a sweeping the country at an amazingly low price! This new model provides exciting entertainment for parties, dances, in fact anywhere people get together to have fun. Brilliant pulsating strobe actually vibrates the room with light. Flashing light distorts sense of motion and timing to give a jolting old-time-movie effect that's guaranteed to "freak out" you and your friends.

Rate control lets you adjust rate of flash from 60 to 600 flashes per minute. Adjust the rate to match the beat of your favorite music. Adds visual excitement to live band performances to home sound systems. It makes dancing a mindbending

experience when the flashing light matches the dance movements. The motions seem to vibrate with the beat of the music. Also gives unique visual effects with household items such as fans, record players and so on. By varying the flash rate a fan's rotation will appear to slow down, stop or even move backwards. Uses same principle as automotive timers.

Solid-state circuitry assures cool operation for years of dependable service. Uses xenon flash bulb, readily available for replacement. Fast easy assembly. Comes with detailed step-by-step instructions. 3-wire line cord. Enclosed in handsome oiled walnut veneer case, 10 $\frac{1}{2}$ "x7 $\frac{1}{2}$ "x6". AC.

29 B 3210 X. Shpg. wt. 5 lbs. 29.95

Do your own thing with light shows that you arrange yourself

NEW! Three-channel Control Center Kit allows three separate displays

49⁹⁵ no money down
see page 331

Light-Kit KG-337. Do your own thing and arrange a spectacular light display that matches your music to your tastes. This control center lets you create three separate light shows that match the beat and frequency of your favorite music. Handles 900 watts (300 per channel) for enough light power to make your whole room sparkle with vibrant colors.

It accepts three separate light sources (pole lamps, Christmas tree lights and so on). Each light source responds to a different frequency range to three separate light shows that all match the beat and pitch of your music. Separate gain control for each channel lets you adjust brightness of each of lights. Gives great versatility in arranging your play. You can emphasize one section of the room with brighter lights for dancing or party snacks while the rest of the room has dimmer lighting. Separate sensitivity control lets you adjust all lights at once to different music volumes.

Dependable solid-state circuit for years of cool operation. Connects to the speaker terminals of any radio amplifier. Step-by-step instructions make assembly fast and easy. Three 3-wire receptacles in back. 3-wire fused line cord. Handsome oiled walnut veneer case, 10 $\frac{1}{2}$ "x7 $\frac{1}{2}$ "x6". AC.

33225 X. Shpg. wt. 5 lbs. 49.95



Light-Kits are a product of Allied Radio Shack



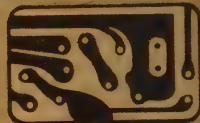
Rhythm, rhythm, who's got perfect rhythm

99⁹⁵

Few people do, but you can add 10 perfect rhythms to your band's sound. Read on.



*MODULAR CONCEPT



Critical circuits are assembled and tested

Most parts are soldered to PC boards. Circuits are wired and tested at the factory. All you do is wire the interconnections. It's easy!

Important features put you in complete control of timing



Start/stop rocker switch starts any of the preselected rhythms



Cymbal dial controls the amount of cymbal sounds in your music

Swing	Twist	Slow-Rock	Rhumba	Mambo	Beguine	Cha-Cha	Bossanova	Tango	Waltz
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Select any of 10 drum beats..vary the tempo..and do it perfectly with a deluxe Rhythm Console

Knight-Kit KG-393. Creates the sounds of bass drum, snare drum, claves, cow and high and low bongos to produce 10 popular rhythms for lessons, rehearsal performances! Lets you select any of 10 perfectly timed rhythms—Swing, Twist, Slow-Rock, Rhumba, Mambo, Beguine, Cha-Cha, Bossanova, Tango or Waltz—all with the push of a button! Also add the sound of cymbals in variable amounts to all but Rhumba, Mambo and Cha-Cha rhythms. And you can even vary the tempo and volume of the beats! Solid-state circuit electronically provides the perfect percussion accompaniment for combos, dinner orchestras or soloists. Features 10 pushbutton for rhythm selection, Start/stop rocker switch, Separate on-off/volume, slow tempo and cymbal-content dials give you complete control to vary the rhythm. Hush pilot light. Assembling the kit is fast and easy because of Knight-Kit's exclusive Modular Concept*. Includes 10-ft. output cable for connection to any amplifier. 3 1/2 x 12 1/4 x 1 1/2". With all parts and clear, step-by-step instructions. AC. 20 B 3921 X. Shpg. v.t. 4 1/4 lbs.

Exciting Fuzz Box Kit for electric guitar

14⁹⁵

Turns on your group's sound .. delivers groovy far-out sound effects .. attack control varies sound effect to create desired "fuzz" tones



Knight-Kit KG-339. Adds electronic "fuzz" sound to your group's music .. turns on your guitar to freak out audiences! Many of today's biggest rock groups use this gadget to add unreal sound effects to their music. Your group can "fuzz" it, too! Boasts an attack control that varies the tone of the "fuzz." Has volume control and a foot switch for added convenience. Dependable solid-state circuit and all-metal construction take the beating received during performances. Operates on 9-volt battery. Jacks connect kit to instrument and amplifier. 2 1/2 x 3 1/2 x 6". With all parts, solder and detailed step-by-step instructions. Order batteries below. 20 B 3336. Shpg. wt. 4 lbs. 23 B 464. 9-Volt Batteries. 6 oz. Each

Got the blues? Here comes the rhythm. On time, every time!

49⁹⁵

With a beat that's just as steady as Ringo's. "Combo Sideman" electronically reproduces the sound of bass drum, snare drum and cymbals in six precise, perfectly timed rhythms.



Supplements your
combo's rock sound



Great at parties
with your stereo

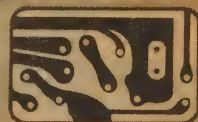
Get a "Combo Sideman"... the portable
Electronic Rhythm Section Kit that
delivers sure, steady rock beats

Light-Kit KG-392. Exciting electronic sound sensation pro-
cesses the percussive rhythms needed to play today's heavy
rock sounds. "Combo Sideman" electronically creates the
sound of bass drum, snare drum and cymbals with true-to-life
realism. These sounds are generated and mixed in various
combinations and timing, to produce six precise, perfectly
timed rhythms. Ideal for practice or performance. Supple-
ment, or substitute for, rhythm section in your combo.

Just plug it into any amplifier to add powerful percussion
solo or combo performances. Tap the start/stop button,
and the rhythm starts, always on the first beat of the measure.
Select any of six rhythms, or change rhythms while it's
playing. Tempo control determines the speed of the rhythm,
holding down the solo button, you can produce single,
staccato drum beats. Vary their speed with the tempo
control. Volume control adjusts the sound level.

Full-state. Operates on one 9-volt battery. Clip holds a
9-volt battery. Jacks for remote control of start/stop and
other functions. With battery, footswitch, output cable. Easy
assembly is assured by Knight-Kit's exclusive *Modular
Concept (see opposite page). 7 1/2 x 7 1/4 x 2".

3916 X. Shpg. wt. 3 lbs. 49.95
464. Extra 9-Volt Battery. 6 oz. Each 35c



Solid-state circuits for
precision-timed rhythms

Exclusive *Modular
Concept —see page 382

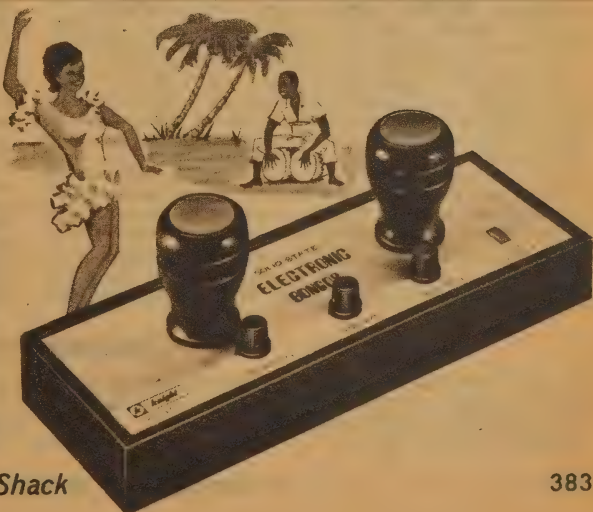
Solid-state electronic Bongo Kit
sounds just like real bongo drums

Great for parties or combos
If you are searching for new
ways to turn on audiences

12⁹⁵

Light-Kit KG-301. Imagine the far-out sounds your combo
could create if you added the effect of bongo drums. Easy-
assemble kit makes it possible! Just plug into your
amplifier, then tap the bongos' heads with your finger tips as
you would real bongos. Has low bongo and high bongo heads.
Each head has sustain control knobs for varying the tones
producing realistic sounds. Volume control and on/off
switch. Uses one 9-volt battery. Durable construction and
some wood base. With all parts, solder, clear instruc-
tions. 2x12x4". Order battery below.

3919 X. Shpg. wt. 1 lb. 12.95
464. 9-Volt Battery. 6 oz. Each 35c



Light-Kits are a product of Allied Radio Shack



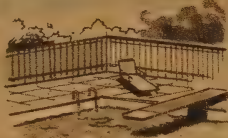
No burglar or prowler can detect or avoid
 "silent sound" .. use it to protect your home

59⁹⁵

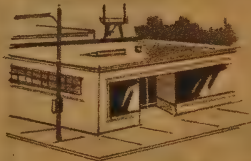
Protects up to 250 sq. ft.
 with ultrasonic beam .. also
 takes sensors on opposite page



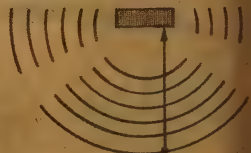
Warns of burglar
 at window or door



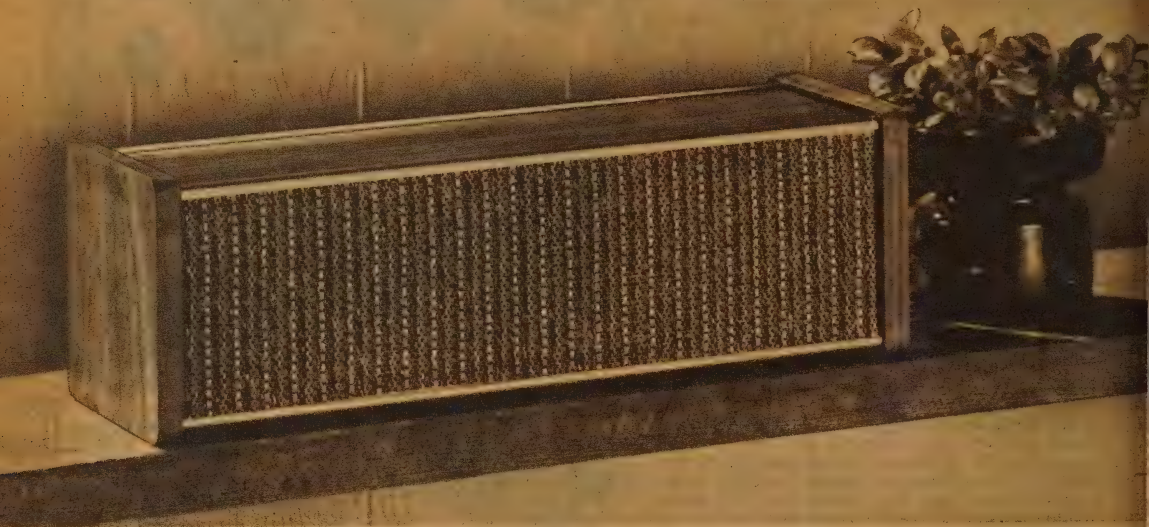
Safeguards family
 recreation areas



Perfect for business
 or plant protection



Silent, invisible
 ultrasonic beam



Solid-state Ultrasonic Intrusion Alarm Kit provides needed protection for your home or business at a surprising low price

Knight-Kit KG-642A Sonic Alarm. This remarkable unit provides effective protection against intruders of all kinds. Uses the same principle that has been highly successful for years in banks, detection agencies, industrial plants and other installations where security is a must. Protects up to 250 sq. ft. area with the use of an advanced silent and invisible ultrasonic beam. You simply assemble the unit, connect it to the warning device of your preference and place it in front of the area to be guarded. When the beam is broken by an intruder, the alarm will turn on lights, activate buzzer or bell, or send remote signals indicating the beam has been broken. Even has inputs for remote sensors (see page 385) to give you added hazard protection. Solid-state circuit for long life and reliable operation.

Alarm features automatic reset, with time delay adjustable from 10 seconds to over 2 minutes. Variable sensitivity control lets you adjust the beam range for more effective protection. Uni-

versal mount allows complete installation flexibility .. can set up horizontally or vertically to protect windows, doors, ways, entrance foyers, hallways, storage rooms and other critical areas. Simply "aim" the unit over the area you want to protect, keeping the front clear of obstructions. Auxiliary inputs accept all remote sensors on opposite page (except 29 B 3345 Power Failure Sensor).

Ultrasonic frequency: 40 kHz. Output may be wired for 130 V at 250 watts (for direct connection of lamps, horns, buzzers, electric bells, etc.) or as 2-amp control switch (for connecting warning devices with their own power supplies, 12-volt units, etc.). Assembly is quick and easy, with entire circuit mounted on a single printed-circuit board. With all parts, solder and detailed non-technical assembly and operating instructions. 3x3x6. Operates from 110 VAC.

29 B 3321. Shpg. wt. 3 lbs.

ACCESSORIES FOR KG-642A

Deluxe 6" Bell. Specially suited for use outdoors. Gives a loud, clear ringing tone that will frighten away any prowler while giving you and your family clear warning. AC.

29 B 3348. Shpg. wt. 4 lbs. 24.95

Special Indoor Horn. For use indoors. Provides high-volume dB signal to give effective warning of intruders. In hands-on case, with AC cord. AC.

29 B 3347. Shpg. wt. ½ lb.

Have a home "Early Warning System". . get a big jump on fighting household hazards at amazingly low cost

Master Unit

17⁹⁵
Kit

Remote Sensors

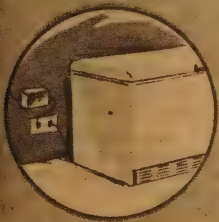
Low
as **2⁹⁵** Each



Flooding alarm



Door/window alarm



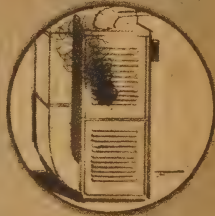
Power-failure alarm



Battery-operated Master Unit accepts up to three Remote Sensors . . any break in system triggers alarm horn audible up to 100 feet . . key switch control ensures that only you can activate system



Heat/fire alarm



Smoke alarm



Freezing alarm

Remarkably low-priced solid-state Home Warning System Kit and Remote Sensors protect your home, family and possessions

night-Kit KG-699. Don't run the risk of incurring expensive losses due to common household hazards. Now you can give your home, family and possessions extra protection from fire, theft, flooding, smoke, power failures and freezing with this lowest priced solid-state home protection system. Just assemble the master unit kit and place up to three remote sensors anywhere in your home. Actuation of any sensor produces a loud audible warning that can be heard up to 100 feet. Gives you an instant warning so that you can act quickly and effectively before damage can result. Battery operation also makes this system ideal for boats, cars or airplanes.

Master unit accepts up to three remote sensors (order below), operates up to one full year on two "D" batteries. Door/window magnetic switch signals opening of door or window—protects your home against thieves. Smoke alarm signals presence of smoke in air duct. Heat/fire alarm gives immediate signal of excessive heat or actual fire. Freezing alarm signals when temper-

ature falls below 32° F, while flood alarm signals the presence of water in basement or boat. Power failure alarm warns you immediately of power loss in any desired part of your home. Automobile alarm protects against theft or vandalism by emitting a loud horn warning.

Built-in "failsafe" sounds alarm automatically for break anywhere in the system to assure you of constant protection once the system is activated. Tumbler-type key switch control. Master unit kit assembles quickly with just a screwdriver and pliers. Size, 5½"x7x2½". Includes keylock switch, siren, control components, case and detailed easy-to-follow instructions. Each independent remote sensor is fully assembled, with 6-ft. cord and pin plug. (To run longer cord to master unit, order audio cable with pin plug at one end, pin jack at the other, or splice in lamp cord.)

29 B 3339. Master Unit Kit. Shpg. wt. 3 lbs.17.95
29 B 3299. Master Unit Assembled. Shpg. wt. 3 lbs.19.95

REMOTE SENSORS AND ACCESSORIES FOR KG-642A AND KG-699

B 3340. Door/Window Magnetic Switch. Shpg. wt. 8 oz. 2.95
B 3341. Smoke Sensor. AC. Shpg. wt. 3 lbs.12.95
B 3342. Heat/Fire Sensor. Shpg. wt. 1 lb.3.95
B 3343. Freezing Sensor. Shpg. wt. 1 lb.5.95

29 B 3344. Flood Sensor. Shpg. wt. 1 lb.5.95
29 B 3345. Power Failure Sensor. Shpg. wt. 1 lb.5.95
23 B 466. "D" Battery. Master uses 2. Shpg. wt. 4 oz.Ea. 19c

night-Kits are a product of Allied Radio Shack

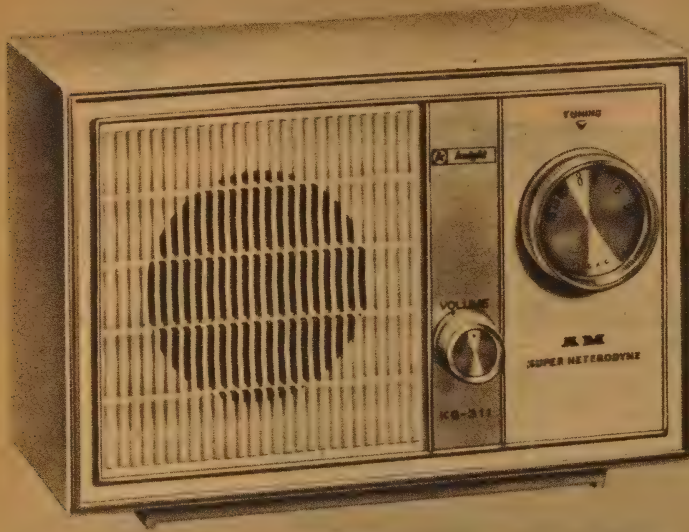


knight-kit
HOBBY

Discover the fun of kit-building as you
assemble this full-feature Radio

9⁹⁵

*You'll be proud to have built this
table radio... and you can even learn
radio theory. What a bargain!*



**ASSEMBLES EASILY WITH
STEP-BY-STEP INSTRUCTIONS
AND PICTORIAL AND
SCHEMATIC DIAGRAMS**

**AM Table Radio Kit with
genuine superhet circuit**

Knight-Kit KG-311. Imagine tuning in mu
news and sports on a superhet AM ra
you've assembled yourself. This radio ki
designed by Allied to help you learn as
build. Gives you a good working knowledg
the superheterodyne circuit... Ideal "first"
for the beginning hobbyist or electron
student.

We include all parts, precut wire, and cabi
Once assembled, this full-feature mo
brings you all your favorite programs on
standard 535-1650 kHz AM band. Circuit
tures automatic volume control for smoo
steady volume—even when tuning in stati
of widely different signal strengths. Built
antenna provides increased sensitivity. C
cuit has four tubes, plus rectifier.

Handsomely styled ivory plastic case v
gold trim, 5 1/4 x 7 3/4 x 4". Assembly manual
detailed pictorial and schematic diagra
Full specifications below. AC.
29 B 3105. Shpg. wt. 3 lbs.

This Radio Kit is complete... no extras to buy



**Miniature
radio tubes and
current
rectifier**

**All hookup
wire is
precut and
stripped**

**Miscellaneous
hardware plus
solder and
control knobs**

**Components
attach easily
to pre-punched
chassis**

SPECIFICATIONS

Tuning Range: 540-1650 **Circuit:** Superhet
Frequency: 455 kHz **Speaker:** 3 1/2" dynamic
Antenna: built-in ferrite core
Tubes: 12BE6, 12BA6, 12AV6, 50C5; plus
35W4 rectifier.
Power Requirement: 115 VAC



Motor Speed Control/Light Dimmer Kit

12⁹⁵

*Controls the speed of power tools and
appliances... varies incandescent lamp
brightness... regulates heating element*

Knight-Kit KG-201. For portable tools, lathes, sewing machines, blen
and other equipment with universal AC-DC motors. Controls brightn
of incandescent lamps and photographic floodlights, too. Also
toasters, coffee makers and other appliances with heating eleme
Calibrated control adjusts output. Solid-state circuit uses silico
controlled rectifier and two diodes. Handles ratings of 7.5 amps or less
for AC only motors, works with most DC-only motors; resistive load
to 900 watts; incandescent lamps to 500 watts. Fully protected by
circuit breaker. Compact case is only 2 1/4 x 4 x 1 1/2". With all parts, h
ware, solder and easy-to-follow instructions. AC.
29 B 3335. Shpg. wt. 2 lbs.

Put an invisible beam of light to work for you . . use it as an alarm or counting device in home, office or factory

1995

Use it as an intruder alarm, for remote switching at distances up to 50 feet, for counting merchandise or production-line units, or as an announcing system

Assemble this low-priced Photoelectric Relay System Kit

- Operates even in bright light
- Variable sensitivity control
- Fast and easy installation

Knight-Kit KG-833. You can assemble this photoelectric relay that operates the same way as factory-wired units costing up to several times more than our low price. Works as an effective alarm against intruders, provides accurate counting for merchandise, people entering or leaving a given area, and much more.

Consists of an Exciter Lamp with built-in light source plus photoelectric Relay Receiver. Sends out continuous beam between light source and relay unit. When beam is broken, unit can sound an alarm, bell or buzzer or provide signal to an electronic counter.

Installation is fast and easy. Simply connect lamp and receiver so that light beam is aimed directly into "eye" of receiver. Variable sensitivity control adjusts to exact beam power for desired distance.

Units can be placed up to 50-ft. apart in darkened areas; up to 15-ft. apart for operation in daylight or brightly lit areas. Units encased in metal housings. Each unit, 3x6x5". With all parts, step-by-step instructions, and hardware. AC.

29 B 3381. Shpg. wt. 8 lbs.19.95

SPECIFICATIONS

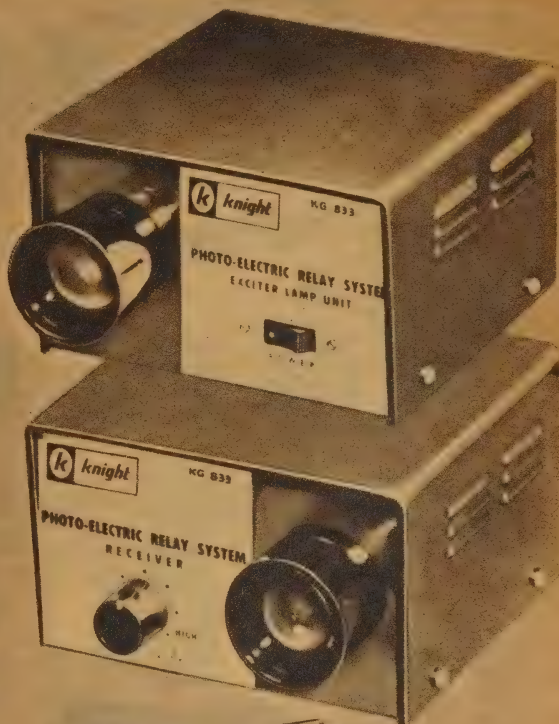
Reaction Time: 50 mm per second (at a distance of 10-ft. between units)

Working Temperature Range: -4° to +104°F

Power Consumption Per Unit: Exciter Lamp, 15 V/amp; Receiver, 0.5 V/amp.

Receiver Output: 115 VAC at 0.3 ampere.

Power Requirement: 115 volts, 60 Hz AC.



Announcing System



Intruder Alarm



Counting System

Remote Control Center Kit for radio-TV sets

Lets you control volume and on-off from your easy chair . . has speaker, earphone jack, 60-minute timer and automatic turn-off

795

Knight-Kit KG-229. Discover the convenience of controlling volume of your radio TV set by remote control. Great for at-home relaxing. This versatile performer assembles quickly. Has its own speaker and 60-minute timer. Easily attaches to your radio, television set or phono with its own 15-ft. cable. Turns your set on and has controls for your set's speaker or the remote unit's built-in speaker. Also has earphone jack for private listening without disturbing others. Even has a built-in timer that you can set to turn off radio, television set or phono after a day of up to 60 minutes. Compact case measures only 5x3 1/4 x 1 1/4"; unit weighs less than a pound. With 15-ft. cable, all parts and complete step-by-step instructions. AC.

B 3331. Shpg. wt. 1 lb.7.95



Knight-Kits are a product of Allied Radio Shack

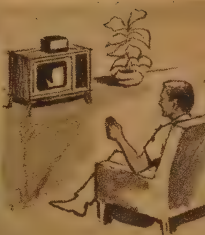


knight-kit HOBBY

Kit ideas for everyone . . projects that are novel, useful and fun to build



Press a button and ultrasonic beam turns appliance on-off



Wireless Remote Switch Kit turns TV on/off from armchair

Knight-Kit KG-203. Ultrasonic beam switch electrical units on or off from up to 40 feet away! A step-saving device you can place by your bedside, easy-chair or work-bench to control a radio, TV, hi-fi system, lamp, or any unit rated 600 watts or less.

Just plug the receiver into an AC outlet then plug the unit you want to control into the receiver. Press the button on the wireless hand-held transmitter and an ultrasonic beam develops. When aimed at the receiver, the beam actuates a switch mechanism that turns the power on or off. Silicon transistor circuit. Rugged construction. Transmitter, 1 1/4 x 1 1/4 x 4 1/4". Receiver, 2 1/2 x 3 1/2 x 2 1/4". With complete assembly instructions, battery.

29 B 3316. Shpg. wt., 2 1/2 lbs. 15

15⁹⁵



Learn or improve your Morse Code with just a few minutes daily practice



NEW!

With Key

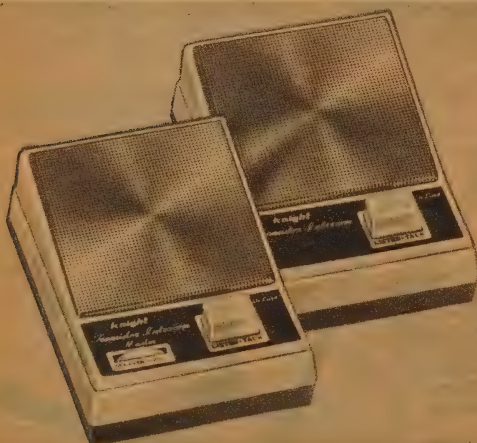
7⁹⁵

3-way Code Practice Oscillator Kit with variable pitch control

Knight-Kit LC-2. Achieve mastery of Morse Code quickly and easily with this battery-powered code practice oscillator kit. Here you increase your speed and accuracy to meet requirements for an amateur radio operator's license. You learn fast with just a few minutes of practice every day.

Has three-way selector switch for tone, light signal and combination tone/light operation. Front panel pitch control varies tone from 500 to 2000 Hz. Includes standard 1/4" phone jack for headset. Hand key has adjustable bearings for smooth keying action. With complete assembly instructions. Size, 6 3/4 x 2 1/2". Includes solder, hand key and battery.

29 B 3378. Shpg. wt., 4 lbs. 7



Sensitive—can pick up soft sounds. Ideal for monitoring nursery

7⁹⁵

Wire-type 2-station Intercom Kit battery powered for use anywhere

Knight-Kit KG-234. For instant and reliable voice communication, you can depend on this versatile 2-station system to keep you in touch, anywhere. Adaptable to indoor or outdoor installations, battery-powered units can be put to dozens of good uses in the home, shop, farm or factory.

Easy to operate—just touch the call button to talk, release to listen. Volume control on master station. Signal can be sent even when switch is in "off" position on remote station. High-impact plastic cases, gold-color grill. Compact, only 3 x 1 1/2 x 4". With 9-volt battery. Interconnecting wire, plugs, solder. With complete assembly instructions.

29 B 3334. Shpg. wt. 2 1/2 lbs. 7

Join the electronic generation . . let
an Intercom System do the walking

Wireless 2-station Intercom Kit

Keeps you in touch from any
room in the house . . Needs no
special wiring to install

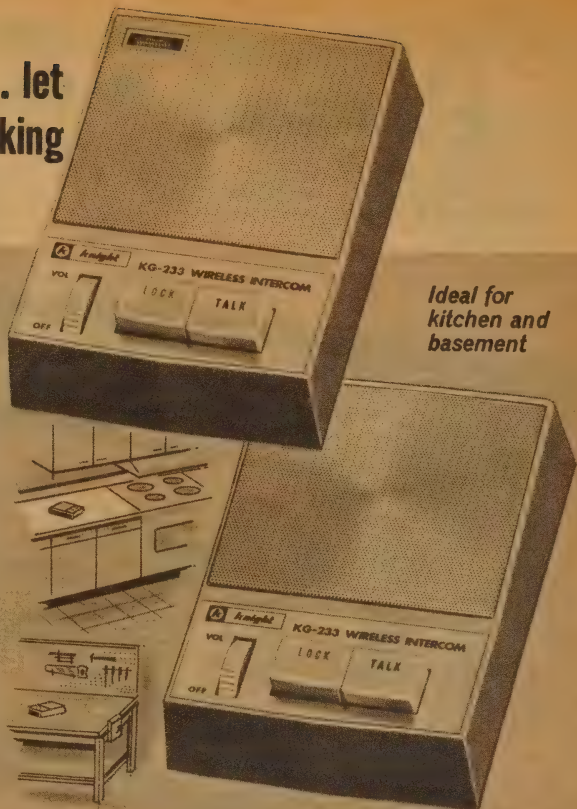
19⁹⁵

Night-Kit KG-233. Lets mom round up the family for dinner
keep a check on the kids with quiet and step-saving
efficiency. Provides instant inter-room talking anywhere in
house, basement or garage. A practical investment that
quickly pays for itself in time saved and convenience.

Needs no special wiring installation. Simply plug each unit
into a convenient AC outlet and you're ready to talk. You
unplug it and take it with you when moving from one
room to another. They can even be used between separate
buildings that are on the same electric line transformer
(check with your local utility to be sure). Draws no more
current than an electric clock.

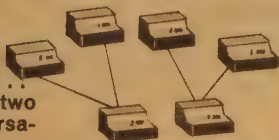
Intercom controls include press-to-talk button, plus lock
position for continuous, hands-free conversation or for moni-
toring children's room. Has thumbwheel volume control with
"off" position. Large 2 1/2" speaker in each unit. High-impact
plastic case may be wall mounted if desired. Each unit, 5 1/2"x1 1/4".
Easy to build. With all parts, printed circuit
board assembly, step-by-step instructions. AC.

B 3383. Shpg. wt. 3 lbs. **19.95**



*Ideal for
kitchen and
basement*

Add as many extra
stations as desired . .
Two channels allow two
independent conversa-
tions at same time



Wireless 2-channel Intercom Kit

No wiring required,
just plug units
into AC outlets

29⁹⁵

Night-Kit KG-225. Up-date your home, office or
shop with a modern intercom system. Both units
are Masters so you can add extra stations to
each for four-way communications or more. Even
have two separate conversations going simulta-
neously . . dual frequency switch lets you operate
the two channels independently. Just plug each
unit into an AC outlet for instant room-to-room
communication, or between adjacent homes and
buildings on the same electric line.

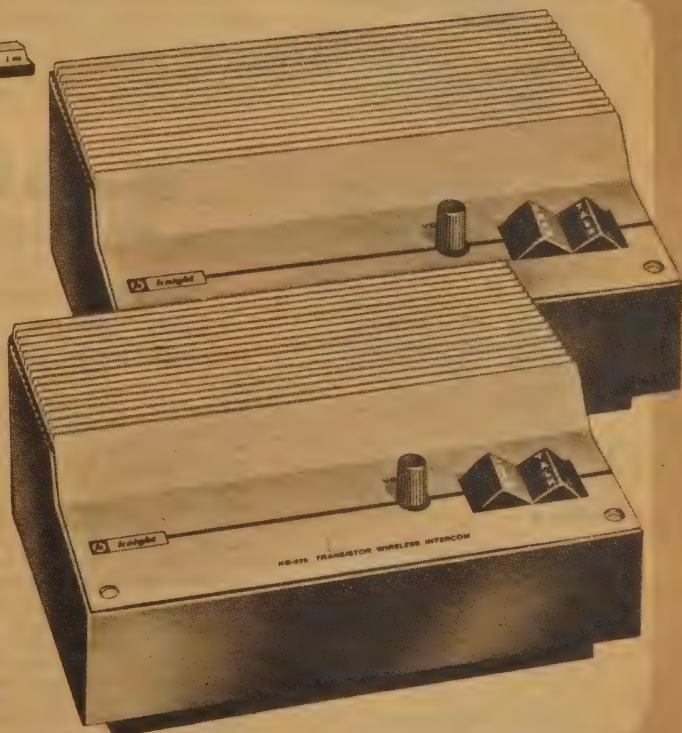
Solid-state circuits for instant response. Volume
control, press-to-talk button with locking position
for continuous transmissions or monitoring.
Each, 3 1/2"x8 1/2"x5 3/4". With all parts, solder, full
assembly instructions. AC.

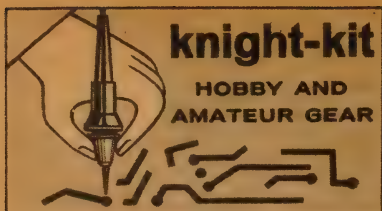
B 6025 X. Shpg. wt. 8 lbs. **29.95**

B 3309 X. Extra Station. 4 lbs. **Each 19.95**

Three-Station Intercom System Kit. Three
Master stations.

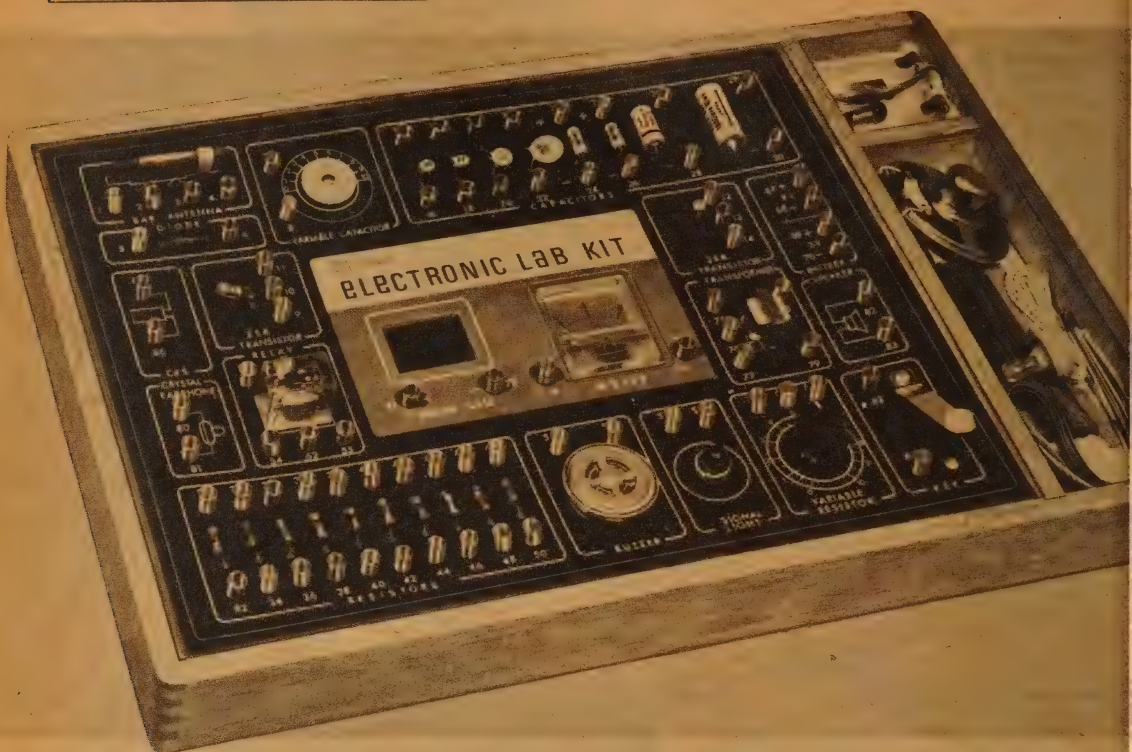
B 6026 X. Shpg. wt. 12 lbs. **44.95**



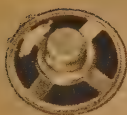


NEW! Learn the secrets of electronics the fun way . . . a perfect kit for beginners

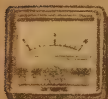
17⁹⁵



Solar cell for 15 experiments with solar energy



2 1/2" speaker for radio, phonograph projects



Pro-type easy-to-read meter



Relay switch for circuit control in radios



Buzzer for alarms, games



Build actual phono amplifier with transformer

Educational 50-in-1 Electronic Project Kit with 50 easy-to-build working projects

Uses all solid-state circuits and includes 15 solar energy experiments . . . detailed manual gives easy-to-follow instructions and complete explanations of every project

Knight-Kit 50-in-1 Lab Kit. Exciting fun-filled way to learn the basics of electronics and impress your friends and family with 50 fascinating projects. No previous electronics knowledge or training needed . . . projects assemble easily. 100% safe, no battery operation eliminates high voltages. Unique master control panel banishes soldering through the use of 83 spring-type connectors that hold wire and components in place. You simply reposition a few leads to change circuits. Construct a home broadcaster, hear your favorite programs on your own one-of-a-kind transistor radio, build an electronic timing switch, a wireless phonograph, a state amplifier, oscillator tester, photometer, even an electronic "organ." Your ingenuity to create even more projects.

Each project demonstrates important electronic principles—and the fully detailed instruction manual gives a clearly written explanation covering what each circuit does and what makes it work. It's perfect for young students, hobbyists and aspiring technicians. (Comes supplied with all needed parts including ten resistors, capacitors, two transistors, one diode, transformer, a variable condenser, AM antenna, earphone, solar battery cell, 2 1/2" speaker, volume control, Morse code and more.) In fitted hardwood case, 17 1/2"x11"x12". Order both batteries below.

29 B 3976 X. Shpg. wt. 5 lbs. Each
23 B 468. Penlight Batteries. (Uses 2.) Shpg. wt. 2 oz. Each
23 B 466. "D" Batteries. (Uses 2.) Shpg. wt. 10 oz. Each

Hams! Give your transmitter power a real boost!

99⁹⁵

No money down
see page 331



Linear Amplifier Kit for 6 or 10-meter AM and CW transmitters

Knight-Kit T-175. Six and 10/11-meter* linear amplifier builds up input power to 150 watts CW, 120 watts AM. Makes a real difference in range and readability. Requires drive of only 1-7 watts CW, 1-4 watts AM. Features two illuminated meters for plate-current and grid-current/relative-power. Internal automatic antenna changeover circuit for AM, and low-speed CW—no internal connection to transceiver required. Built-in fan for forced-air cooling during transmit. Thermal radiators on plate caps reduce tube temperatures. Standard SO-239 coaxial connectors. Input Impedance, 50 ohms nominal; Output Impedance, 50-70 ohm pi-network. $5\frac{1}{2} \times 13\frac{1}{2} \times 11"$. Coils supplied for *26.960-29.700 MHz. and 50-54 MHz. With all parts, wire, solder, detailed assembly instructions. *illegal for Class D CB Operation in U.S.A.
29 B 3463 X. Shpg. wt. 22 lbs. **99.95**

SPECIFICATIONS

Frequency Coverage: *26.960-29.700 MHz and 50-54 MHz. **Power Input (DC):** AM, 120W max; CW, 150W max. **Drive Requirements:** AM, 1-4 watts; CW, 1-7 watts. **Input Impedance:** 50 ohms nominal. **Output Impedance:** pi-network, 50-70 ohm loads with a VSWR of 3:1 or less. **Tubes:** 6JE6A output amplifiers; 12AT7 relay amplifier. **Power Requirements:** 110-130 V, 50-60 Hz AC.

"... economical way to really work out... you'll have the best signal on the block... it's a darn good investment."

73 MAGAZINE

"... a nice addition to Allied Radio's popular kit line... tested primarily on 6 meters... performs equally well on 10..."

POPULAR ELECTRONICS

Deluxe two-unit SWR/Power Meter Kit



19⁹⁵

Knight-Kit P-2. Easy-to-assemble SWR/Power Meter Kit provides a constant check on your rig's efficiency. Measures relative power fed to the antenna, and standing waves reflected back from it. Lets you make your own matching adjustments between line and driven element for maximum efficiency. Measures SWR from 1:1 to 20:1, relative power from 0-10. Covers 132 MHz; handles up to 1 kW. Versatile two-unit construction consists of a Coupler and Indicator connected by a 4-ft. shielded cable. May be left in transmission line. No AC power or batteries required. Accuracy is better than 10%. Sensitivity adjustment. Satin finish. Coupler, $2\frac{1}{2} \times 5 \times 2\frac{1}{2}"$. Indicator, $2\frac{1}{2} \times 6\frac{1}{2} \times 3\frac{1}{2}"$. SO-239 connectors. With wire, solder, detailed instructions.
3627. Shpg. wt. 3 lbs. **19.95**

Grid-Dip Meter Kit covers 1.5 to 300 MHz

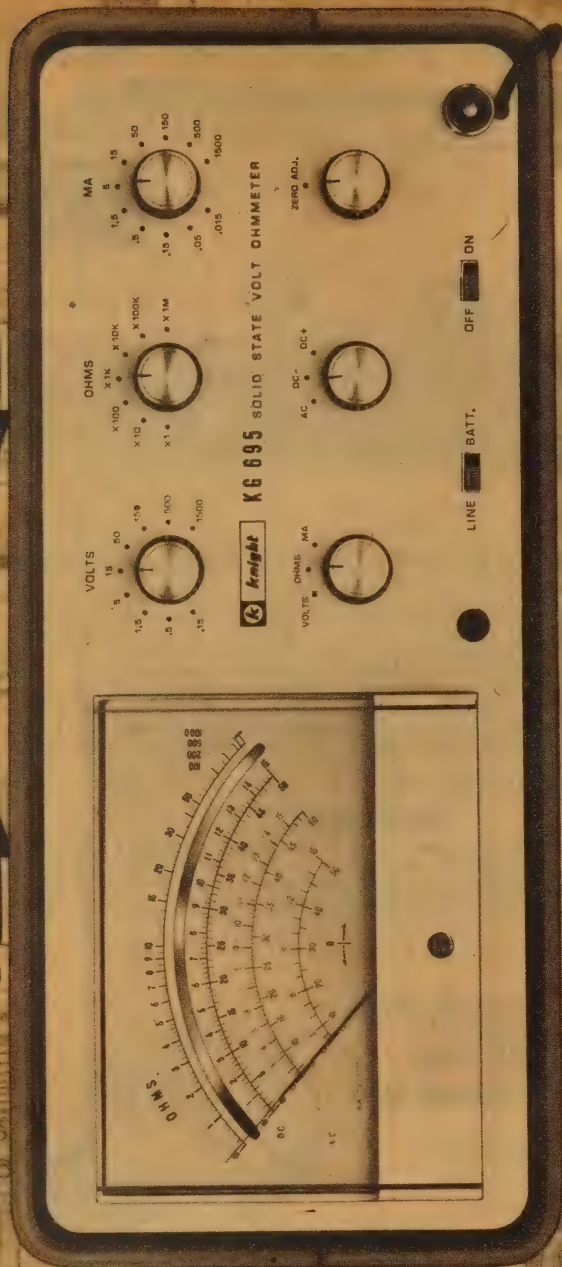
29⁹⁵



Knight-Kit G-30. Serves as a sensitive grid-dip oscillator to determine resonant frequency, as well as an oscillating detector, signal generator and absorption wavemeter. Covers all frequencies from 1.5 to 300 MHz in six overlapping ranges. Dial scales are color-coded to match coils. Sensitivity control for optimum grid current adjustment. Movable hairline cursor gives fast, accurate readings. Undamped meter movement responds instantly. Becomes a crystal oscillator with a standard-spaced plug-in crystal. Phone jack permits use as modulation monitor and regenerative detector. Also determines inductance and capacitance. 6AF4A oscillator, selenium rectifier. $6\frac{1}{2} \times 3\frac{1}{2} \times 1\frac{1}{2}"$. Includes six coils in plastic case, instructions. AC.
29 B 3721. Shpg. wt. 2 lbs. **29.95**



A



B



Deluxe FET VOM Kit with 47 most-wanted ranges

7995

11-megohm input impedance reduces circuit loading for highly accurate voltage measurements across high resistances

[A] Knight-Kit KG-685. Completely solid-state FET VOM eliminates vacuum tubes and consequent high current drain. Allows all-battery operation and works from 115 VAC line as well for even greater versatility. Its 11-megohm DC input impedance reduces circuit loading for quick, accurate voltage readings in high-resistance circuits for complete circuit analysis. Lets you test solid-state circuits as simply as any other by using low voltage ranges of 0-0.15, 0.5, 1.5, 5, 15 volts. Also provides low milliamperes ranges of 0-0.015, 0.05, 0.15, 0.5, 1.5, 5, 15 mA. In short, it offers thoroughly professional, full-range modern versatility... makes circuit testing infinitely easier and more accurate... lets you do faster, better work... at a price that any technician can afford.

Ranges: AC/DC Volts, 0-0.15-0.5-1.5-5-15-50-150-500-1500 (10-megohm AC input impedance); Resistance, X1 (10-ohm center), X10, X100, X1k, X10k, X100k ohms, X1 megohm; AC/DC Milliamperes, 0-0.015-0.05-0.15-0.5-1.5-5-15-50-150-500-1500. Accuracy, DC volts, $\pm 3\%$; DC milliamperes, $\pm 4\%$; AC volts, $\pm 5\%$; AC milliamperes, $\pm 6\%$.

Has sensitive 100- μ A meter with easy-to-read 6" mirror scale. Meter and circuit are diode protected against overload to give you an instrument with a long, troublefree life. Controls include Volts Ohms, Milliamperes selector switches; AC-Line/Battery selector switch; On/Off switch. Ohmmeter operates on two 1 1/2-volt batteries and a 1.3-volt mercury cell; amplifier operates on 12 "C" batteries (all included) or 115 VAC line. 5"x13"x6 1/2". With single AC/Ohms/DC probe; optional HV and RF probes at right.

29 B 3991 X. Shpg. wt. 11 lbs. **79.95**



Switches for easy selection



Line/Battery selector switch



Jewel-light ON indicator



Meter is diode protected

Battery/AC FET VOM Kit with 29 ranges

4995

Diode-protected meter and circuit prevents accidental burnout of instrument and assures long, troublefree service

[B] Knight-Kit KG-694. FET accuracy is required for testing today's complex electronic circuits. This versatile and easily portable FET VOM brings this kind of testing to the shop or the field... helps you solve virtually any electronics servicing problem. Its low ranges are ideal for transistor work, checking relay circuits, measuring voltage drop across low resistances, as well as general laboratory, shop, and experimental work. It is a sensitive, full-size, reliable instrument that has the durability for rugged use. Having 11 megohms input impedance on DC it can be used in high-resistance circuits with negligible circuit loading to give you an accuracy of measurement that ordinary VOM's cannot approach.

Ranges: DC Volts, 0-0.5-1.5-5-15-50-150-500-1500; AC Volts rms, 0-1.5-5-15-50-150-500-1500; AC Volts p-p, 0-4.2-14-42-140-420-1400-4000; Resistance, 0-100-10k-100k ohms, 0-1-10-100-1000 megohms (center scale, 10, 100, 100k, 100k ohms and 1, 10 megohms). Accuracy: DC, $\pm 3\%$ of full scale; AC, $\pm 5\%$ of full scale. Frequency Response: ± 1 dB, 30 Hz to 3 MHz; ± 3 dB, 30 Hz to 5 MHz; response to 250 MHz with high-frequency probe.

Big, easy-to-read meter provides accurate readings and reduces reading errors. Meter and circuit are diode protected against accidental overload and assures you a lifetime of fine service. Controls include AC/Ohms/DC probe switch, AC/DC Power-Source Selector switch, Ohms Control, and Zero Control. 7 1/2"x12 1/2". With AC/Ohms/DC probe, batteries, AC line cord.

29 B 3990 X. Shpg. wt. 9 lbs. **49.95**
29 B 3130. Assembled HV Probe. To 25,000 V. Wt. 1 lb. **9.95**
29 B 3131. Assembled RF Probe. To 250 MHz. Wt. 1 lb. **9.95**

SPECIFICATIONS

DC Section. Ranges: 8 DC voltage ranges from 0 to 155 volts. Accuracy: $\pm 3\%$ of full scale. *Input Impedance:* 11 megohms on all ranges. **AC Section.** Ranges: 7 AC rms voltage ranges from 0 to 1500 volts; 7 peak-to-peak voltage ranges from 0 to 4000 volts. Accuracy: $\pm 5\%$ of full scale. *Input Impedance:* 10 megohms on all ranges. Response: ± 1 dB, 30 Hz to 3 MHz; ± 3 dB, 30 Hz to 5 MHz; 250 MHz with high-frequency probe. **Ohmmeter Section.** Ranges: 7 ranges from 0 to 1000 megohms (10, 100-1000, 10k, 100k ohms and 1, 10 megohms center scale). **Battery:** single 1 1/2-volt "C" battery. **General.** Probe: AC/Ohms/DC combination probe with built-in switch; plugs into single jack for hot and ground connections. *Power Required:* 9-volt battery or 115 VAC. *Case Dimensions:* 7 1/2"x12 1/2"x1 1/2"; mounted on tilt bracket for adjusting reading angle of meter.



Only two selector knobs



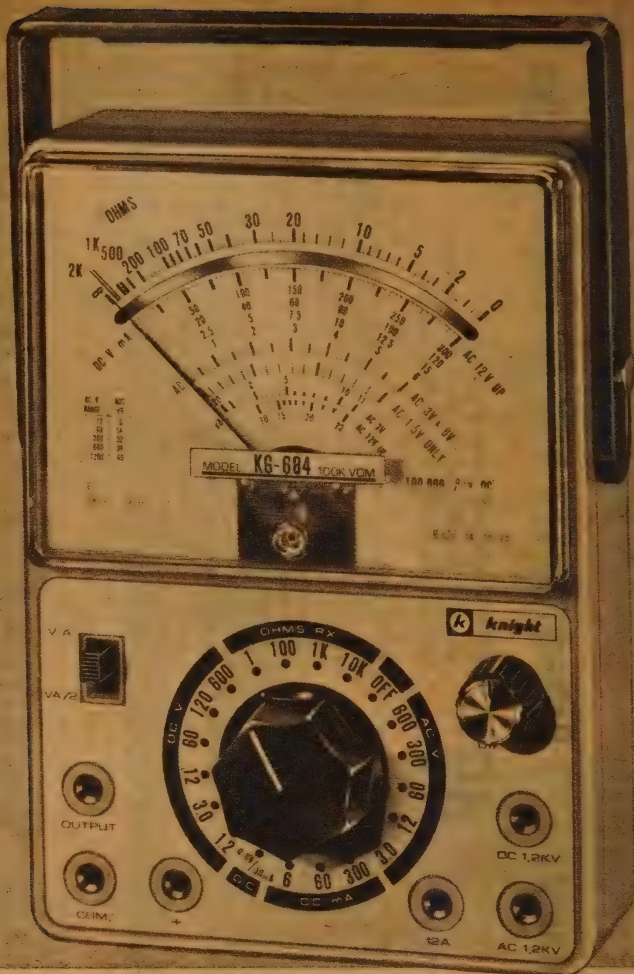
Jewel-light ON indicator



AC/Ohms/DC test probe



Meter is diode protected



Our finest VOM Kit . . . great value for the hobbyist

29⁹⁵

- Lightweight and rugged . . . take it with you on service trips
- High accuracy, high sensitivity for best performance
- Includes solder, wire, step-by-step instructions

Light-Kit KG-684. This 100,000 ohms/volt VOM kit is priced right, sized right for the hobbyist's and experimenter's workbench. Boasts many fine features to aid in achieving accurate measurements with the utmost in convenience and safety—outperforms many other VOM's costing more. Helps you to quickly evaluate condition of radios, TV's, appliances, audio equipment and other electronic devices. Provides accurate measurements of AC, DC, and output voltage, DC current, resistance, and impedance; a total of 47 ranges controlled by three switches. Battery-powered, lightweight; great for in-the-field service—freedom from your shop.

In addition to versatility is provided by special VA/2 switch. In normal operating position, ranges and sensitivity are as described in the specifications below. In VA/2 position, all voltage and current ranges are divided in half for ease in measuring small voltage and current values and for greater accuracy due to doubled sensitivity of 200k ohms/volt (DC) and 20k ohms/volt (AC). Valuable when testing transistor circuitry and other applications where high accuracy in small values is necessary.

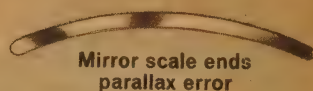
Extremely sensitive diode-protected 9- μ A meter movement assures repeatability of readings. Precision 1% tolerance resistors are used as multipliers for best accuracy. Features mirror scale with knife-edge pointer to end possibility of parallax errors. Newly-calibrated two-color scales assure easy reading and accurate interpolation. Full diode and ceramic capacitor protection on all voltage, current, and decibel ranges makes meter movement virtually burnoutproof—no danger from accidental overloads. Specially designed for easy, simplified assembly—takes only a few hours. Has zero/ohms adjust; range and function switches. Special 1.2 kV range jack for AC and DC. In rugged metal case, 7 $\frac{3}{4}$ x 5 $\frac{1}{2}$ x 2 $\frac{1}{2}$ ". With batteries, 50" test leads with banana plugs, carrying strap, detailed step-by-step assembly instructions.

1987. Shpg. wt. 4 lbs. 29.95

SPECIFICATIONS

Current Sensitivity: 15 μ A. **Voltage Sensitivity:** 300 mV. **Meter Current Sensitivity:** $\pm 1\%$. **Internal Meter Resistance:** 10k ohms $\pm 5\%$. **Meter Deflection:** 90°. **VOLTS.** Ranges: 0-1.2, 3.0, 12, 60, 120, 1200. **Internal Resistance:** 100k ohms/volt. **Accuracy:** $\pm 3\%$ full scale. **AC VOLTAGE.** Ranges: 0-3.0, 12, 60, 300, 600, 1200. **Internal Resistance:** 10k ohms/volt. **Accuracy:** $\pm 4\%$ full scale. **DC CURRENT.**

Ranges: 0-30 μ A, 6 mA, 60 mA, 300 mA, 12 A. **Internal Voltage Drop:** 300-1500 mV. **Accuracy:** $\pm 3\%$ full scale. **OHMMETER.** Ranges: 0-2K, x 1, x 100, x 1K x 10K. **Accuracy:** $\pm 3\%$ full scale. Uses 2 "C" batteries. **dB Scale:** -20 dB to +17 dB, +15 dB to +31 dB. **Output Range:** 3.0, 12, 60, 300, 600V. **VA/2 Switch:** Doubles all voltage and current range sensitivities, halves ranges for small measurements.



Mirror scale ends parallax error



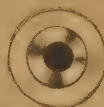
Special VA/2 feature



1% multiplier resistors



Diode-protected meter



1.2 kV range jack



Special VA/2 feature



AC output jack



Diode-protected meter



50' leads with banana plugs

Impact VOM Kit with full-size performance

17⁹⁵

- Full 50,000 ohms/volt DC sensitivity
- Precision circuits for high stability
- For measurements on radios, other gear

Light-Kit KG-683. Here's a VOM kit with many full-size VOM features. Ideal for signal tracing, alignment, voltage, current, and resistance measurements on all kinds of electronic equipment. For students, hobbyists, and servicemen who need compact, efficient test gear. Features precision circuit design for high operating stability and ease of operation. VA/2 switch divides voltage and current ranges in half for measuring voltage and current, at the same time doubling sensitivity.

Full-scale read scale with knife-edge pointer. Sensitive 20- μ A meter movement is made virtually burnoutproof by diode and ceramic capacitor protection. Has zero-adjust knob and single range/function switch. Reads AC, DC volts; DC current; resistance; and impedance. Top-quality shunts and multipliers provide $\pm 2\%$ full-scale accuracy. Rugged metal case; 5 $\frac{3}{4}$ x 4 x 2 $\frac{1}{2}$ ". With batteries, 50" test leads and banana plugs, detailed step-by-step instructions for easy assembly.

1986. Shpg. wt. 2 lbs. 17.95

SPECIFICATIONS

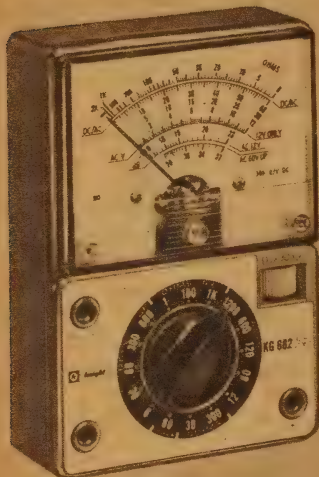
Current Sensitivity: 30 μ A. **Voltage Sensitivity:** 120 mV. **Meter Current Sensitivity:** $\pm 1\%$. **Internal Meter Resistance:** 10k ohms $\pm 3\%$. **Meter Deflection:** 90°. **VOLTS.** Ranges: 0-0.6, 3, 12, 60, 300, 1200. **Internal Resistance:** 50K ohms/volt. **Accuracy:** $\pm 3\%$ full scale. **AC VOLTAGE.** Ranges: 0-6, 30, 120, 600, 1200. **Internal Resistance:** 5K and 2.5K

ohms/volt. **Accuracy:** $\pm 4\%$ full scale. **DC CURRENT.** Ranges: 60 μ A, 3 mA, 300 mA, 12 A. **Internal Voltage Drop:** 120 mV and 240 mV. **Accuracy:** $\pm 3\%$ full scale. **OHMMETER.** Ranges: 0-2K, x 1, x 100, x 1K, x 10K. **Accuracy:** $\pm 3\%$ full scale. Uses 3 "AA" batteries. **dB Scale:** -10 dB to +17 dB. **VA/2 Switch.** Doubles all voltage and current range sensitivities.

Light-Kits are a product of Allied Radio Shack



Carry an electronics "test bench" in your pocket with a low-priced VOM



**Pocket VOM
Kit . . full
30,000 ohms-
per-volt
sensitivity**

12⁹⁵



**Pocket VO
Kit . . stand-
20,000 ohm
per-volt
sensitivity**

9⁹⁵

Knight-Kit KG-682. Here's a handy pocket-sized VOM kit with many full size features. Complete portability offers in-the-field versatility. Can be used by the hobbyist, experimenter, serviceman, or anyone interested in trouble-shooting their own electronic equipment. Ideal for signal tracing, RF and IF alignments, voltage, current and resistance measurements. Sensitive meter movement is diode-protected. Easy-to-read scale. 1% tolerance resistors used as multipliers for extra accuracy and stability. Convenient zero-adjust control assures accurate calibrations, also helps compensate for changes in battery condition. Complete with 50" test leads for maximum flexibility, banana plug tips, battery. Size, 3 1/4"x5 1/2"x1 1/8".
29 B 3985. Shpg. wt. 2 lbs.12.95

SPECIFICATIONS

Ranges. DC Volts: 0-6-30-60-300-600-1200. AC Volts: 0-12-60-120-600-1200. Current: 60 μ A-30 mA-300mA. Decibels: 0- (-20)-0- (+37). Resistance in Ohms: 0-2k-200k-2 meg. DC sensitivity: 30,000 ohms per volt. AC Sensitivity: 15,000 ohms per volt. Meter Sensitivity: 27 μ A for full scale deflection. Accuracy. DC: \pm 3% full scale. AC: \pm 4% full scale. DC mA: \pm 3% full scale. Battery: 1 1/2-volt penlight cell.

Knight-Kit KG-681. This practical and time saving pocket kit enables you to troubleshoot radios, TV's, stereo am and virtually all types of electronic equipment. Be your own serviceman! Excellent for hobbyists, experimenters, do-it-yourselfers and serious servicemen alike. Sensitive meter is protected against burnout caused by overload. Easy-to-read scale. Precision 1% tolerance resistors are used as multipliers providing greater accuracy and stability of measurements. Convenient zero-adjust control compensates for changes in battery condition. Complete with 50" test leads. Fits in "tight" areas. Size, 3 1/4"x5 1/2"x1 1/8". Battery included.

29 B 3984. Shpg. wt. 1 lb.

SPECIFICATIONS

Ranges. DC Volts: 0-5-25-100-500-1000. AC Volts: 0-10-100-1000. Current: 50 μ A-250mA. Decibels: 0- (-10)-0- (+20). Resistance in Ohms: 0-20k-2 meg. DC Sensitivity: 20,000 ohms per volt. AC Sensitivity: 15,000 ohms per volt. Meter Sensitivity: 27 μ A for full scale deflection. Accuracy. DC: \pm 3% full scale. AC: \pm 4% full scale. DC mA: \pm 3% full scale. Battery: 1 1/2-volt penlight cell.



**Checks both
tube and solid-
state circuits**

15⁹⁵

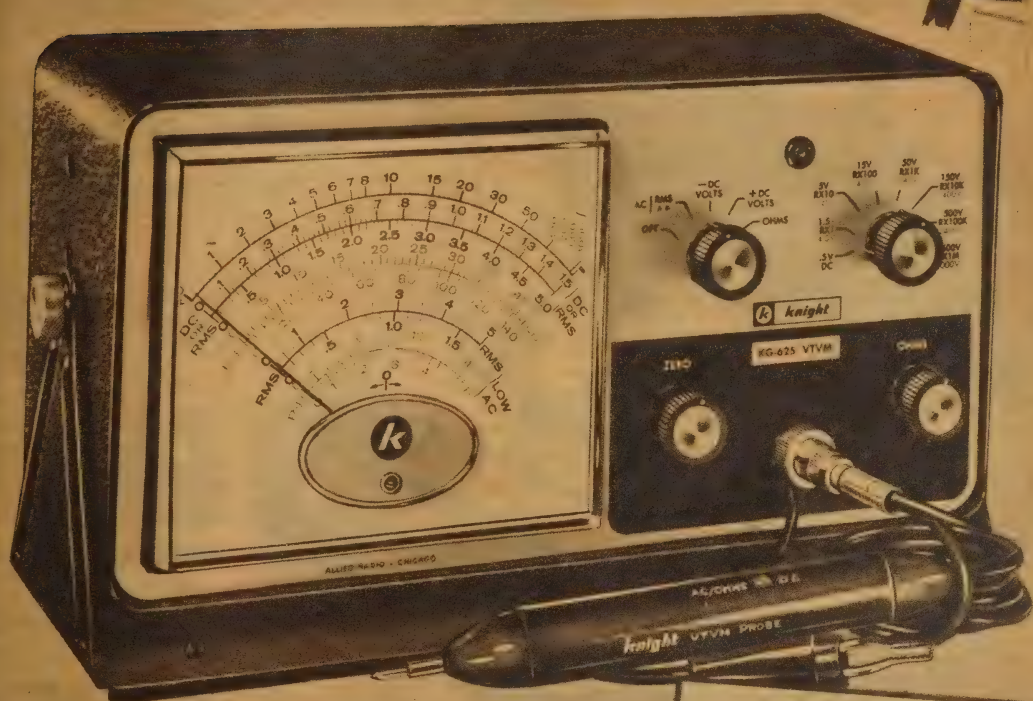
Combination Signal Injector/Tracer Kit

Knight-Kit KG-679. Highly useful test instrument uniquely combines the functions of both signal injector and signal tracer simultaneously, in one compact unit. May be used for checking either tube or solid-state circuitry with up to approximately 100,000 ohms impedance. Signal injector portion of unit provides a 600-1000 kHz signal, rich in harmonics. Unit has self-check speaker, phone jack, lamp indicator, volume control, trace and injector output terminals. Signal tracer section with 1 1/2-volt penlight cell. 29 B 3992. Shpg. wt. 2 lbs.

SPECIFICATIONS

Signal Injector. Output: 600-1000 kHz plus harmonics. Signal Tracer Complement: 1 transistor. Circuitry: blocking oscillator. Battery: 1 1/2-volt penlight cell. **Signal Tracer.** Semiconductor Complement: 4 transistors. Circuitry: audio frequency amplifier. Input Impedance: 30,000 ohms. Battery: 9-volt.

Tackle your transistor work with Knight-Kit's
finest VTVM Kit . . boasts 1/2-volt DC range



44⁹⁵

no money down
see page 351

Single, switchable AC-ohms/DC probe
permits quick, easy multiple measure-
ments . . big 6" meter has 10 color-
correlated scales for readability

" . . It's the refinements, particu-
larly in the DC circuit that makes the
KG-625 a strong contender for a posi-
tion on your test bench . . "

RADIO ELECTRONICS

Provides direct readings of AC volts (both peak-to-peak and rms)

Knight-Kit KG-625. Deluxe VTVM kit with all the convenience and features necessary for proper servicing of electronic equipment. Features 1/2-volt full scale DC range for accurate transistor work; single, switchable AC-ohms/DC test probe for quick, easy multiple measurements; plus well designed layout with inverted chassis for easy assembly.

is push-pull balanced bridge circuit for maximum accuracy and meter protection. Premium, pre-aged bridge tube with matched triode section assures stable calibration adjustments. 6" meter with sensitive 200-μA movement. Fluorescent knife-edge pointer minimizes parallax. 10-color correlated scales. Also has: DC polarity reversing switch; re-center scale for discriminator alignment; pilot light; low leakage switches; special wave transformer for line isolation. 11 megohm DC input resistance.

Calibration controls located at back of panel for easy access. Size, 7 1/4 x 12 x 5 1/2". With optional mounting bracket, AC-ohms/DC switchable probe attachment, battery. Optional probes listed below. AC.

B 3975 X. Shpg. wt. 9 lbs. **44.95**
B 3130. Assembled High-Voltage Probe. To 25,000 V. Wt. 1 lb. **9.95**
B 3131. Assembled High-Frequency Probe. To 250 MHz. Wt. 1 lb. **9.95**

SPECIFICATIONS

DC Section. Ranges: 0-0.5-1.5-5-15-50-150-500-1500 volts full scale. With optional HV probe to 25,000 V. Accuracy: ±3%. Input Resistance: 11 megohms (1 megohm in probe) to 1500 V. **AC Section.** Ranges (rms): 0-1.5-5-15-50-150-500-1500 volts full scale. (p-p): 0-4.2-14-42-140-420-1400-4200 volts full scale. Accuracy: ±5%. Response: ±1dB, 30 Hz to 3 MHz; ±3 dB, 30 Hz to 5 MHz. With optional RF probe to 250 MHz. **Ohmmeter.** Ranges: 0-1000-10K-100k ohms, 0-1-10-100-1000 megs. **Battery:** 1 1/2-volt size "C." **Tube Complement.** Meter Bridge: 12AU6A. Full-Wave Rectifier: 6AL5. **Power Supply:** transformer, silicon diode rectifier circuit.

Knight-Kits are a product of Allied Radio Shack



Check more than 2500 tube types
with this cathode-emission tester

49⁹⁵

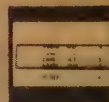
no money
down
see page 331



16 switch-
selected
filament
voltages



Power rheo-
stat adjust-
line or load
variations



Illuminated
roll-chart
with thumb-
wheel drive



Detailed
step-by-step
assembly
instruction

Portable lightweight Tube Tester Kit for on-the-go or in-shop servicing

Knight-Kit KG-600C. A real value in a highly popular tube tester kit. Combines operating ease, high accuracy and versatility to meet today's (and tomorrow's) complex radio/TV servicing needs. Accurately checks over 2500 tube types and pilot lights to 117 volts. And you can add Replacement Charts to test new types as they become available. Illuminated roll chart with smooth thumbwheel drive lets you find tube data quickly and easily. Positive easy-action universal selector switches for fast setup; sixteen different switch-selected filament voltages from 0.63 to 117 volts. Easy-to-read 3-color 4½" meter has GOOD-REPLACE emission scale; GOOD-BAD gas test scale; 0-100 numerical scale for matching tubes.

Checks emission, continuity, shorts, open elements on all these tube types: 2, 4, 5, 6 and 7-pin; octals; loctals; 7, 9, and 10-pin miniatures; 9-pin magnovalvs; 9-pin novars; 10-pin decals; 12-pin compactrons; and pilot lamps. Neon indicator shows filament continuity and leakage or shorts between tube elements. Special power rheostat compensates for variations in line or load voltages. Gray fabrikoid-covered portable case, 6½"x14½"x10½", with latching cover. AC.

29 B 3212 X. Shpg. wt. 13 lbs. 49.95

SPECIFICATIONS

Type of Test: cathode conductance (emission). **Condition Indicator:** 3-color 4½" meter with emission gas and 0-100 scales. **Individual Element Test:** shorts, opens and continuity indicated by neon lamp. **Filament Voltages Available:** 0.63, 1.4, 2.0, 2.5, 4.2, 5.0, 6.3, 7.5, 12.6, 19.6, 25, 32, 50, 70, and 117 V. **Line and Load Voltage Adjustments:** power rheostat in primary of power transformer. **Individual Tube Settings:** illuminated, gear-driven roll chart. **Power Required:** 110-130 V, 50-60 Hz AC.

Replacement Tube Data Roll Charts

Updated replacement roll charts for all Series 600 tube testers purchased prior to Aug. 1970 are available singly or on subscription basis with a chart plus two supplements per year. Prices: \$3.50 per chart; \$5.00 for chart plus supplements. Write: COLETRONIC Tube Data Service, 1744 Rockaway Avenue, Hewlett L. I., N. Y. 11557.

DC to 5.2 MHz response for color TV plus
high vertical sensitivity for transistor work

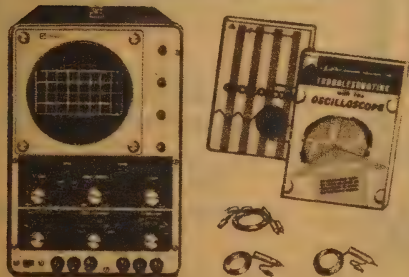
139⁹⁵

no money down
see page 331

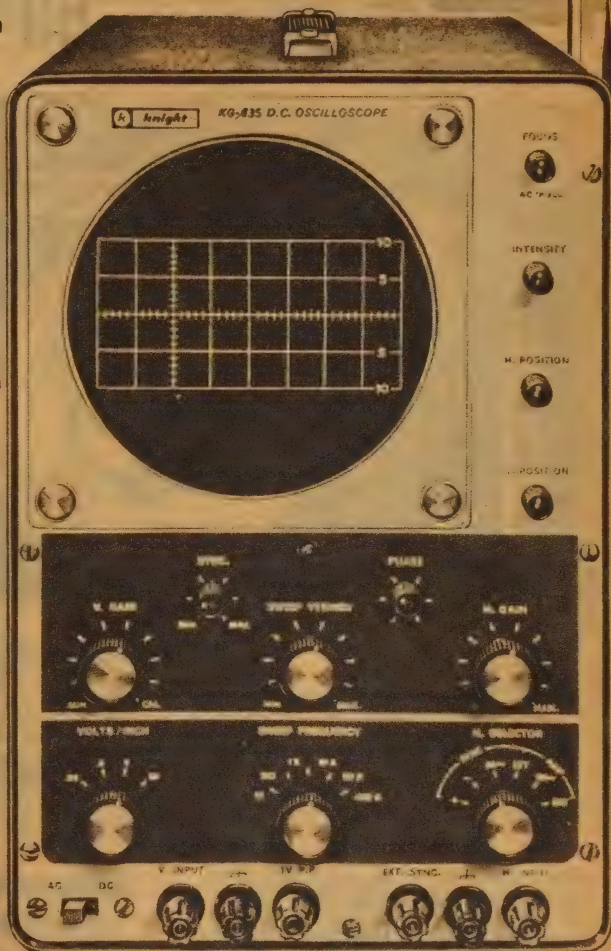
"... instrument is well-
engineered and a very worthwhile
addition to the test bench ..."
ELECTRONICS WORLD

"... as close as you can get to
a 'professional' or 'lab' scope
without actually getting one ..."
RADIO-ELECTRONICS

With Accessory Package



Save \$18.30 **149⁵⁰**



Oscilloscope Kit plus most-wanted Accessories

separately, \$167.80. Full scope outfit
or speedy, profitable servicing. Consists
of Knight-Kit KG-835 Scope Kit;
Direct Test Leads with clip, insulator
and double plug; 12-pF Low-Capacity
Probe; 250-MHz Demodulator Probe;
two Howard W. Sams Books: "Know
Your Oscilloscope" and "Trouble-
shooting with the Oscilloscope."
Leads and probes are fully assembled.
Books are written in non-technical lan-
guage. Shpg. wt. 30 lbs.

B 6013 LGU. 149.50

Direct Test Leads Alone.

B 3152. Shpg. wt. 1 lb. 1.95

12-pF Low-Capacity Probe.

B 3150. Shpg. wt. 8 oz. 7.95

250-MHz Demodulator Probe.

B 3151. Shpg. wt. 8 oz. 9.95

5" wideband DC-coupled Oscilloscope Kit with five linear time base ranges

Knight-Kit KG-835. Meets the critical demands of color TV servicing. Excellent linearity and lock-in characteristics assure stable waveform presentations even at upper frequency limits. Dynamic sync limiter for trace stability. Automatic astigmatism correction for uniform focus. Full 1650-volt accelerating potential for super-bright traces. Five linear time base ranges, not just 3 or 4, from 10 Hz to 400 kHz. Series/shunt peaking and DC coupling for optimum wideband response and low phase shift. High vertical sensitivity for accurate transistor work. Vertical attenuator marked directly in V/inch. Graticule scale has X and Y linear grids for easy voltage measurements. Regulated power supply; tapped primary transformer; front panel voltage calibrator output; easily accessible calibration controls. Retrace blanking; push-pull on-off focus control. 5-way binding posts; $\frac{1}{4}$ " spacing. Metal case, 12x8x16". Accessory probes at left. Full assembly instructions.

29 B 3979 Z. Shpg. wt. 29 lbs. 139.95

SPECIFICATIONS

Vertical. Sensitivity: 17 mV rms/inch (7 mV rms/cm). Response: ± 1.5 dB, DC to 5.2 MHz. Color Bandpass: ± 0.5 dB. Overshoot: less than 6%. Rise Time: 70 nsec. Impedance: 3 meg shunted by 35 pF. **Horizontal.** Sensitivity: 0.6 V rms/inch. Response: ± 1.5 dB, 1 Hz to 400 kHz. Inputs: internal time

base, 60 Hz phase controlled, external. Time Base Ranges: 10-100 Hz, 100-1000 Hz, 1-10 kHz, 10-90 kHz, 90-400 kHz. Impedance: 7 meg shunted by 25 pF. Sync: internal + and -, 60 Hz, ext. Z-Axis Input: 10 V neg. for beam cutoff. Impedance: 1 meg. Tubes: 9; CRT; 2 rect. Power: 110-130 V, 50-60 Hz AC.

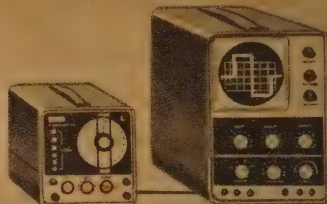
Knight-Kits are a product of Allied Radio Shack



Full 20 Hz to 2,000,000 Hz frequency coverage from one low-priced Generator

69⁹⁵

All silicon transistors
plus Sulzer oscillator
for super-stability

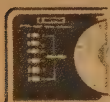


Sine wave output adjustable
from 0 to 7.5 volts rms,
square wave output adjustable
from 0 to 10 volts p-p

SINE WAVE
20 Hz to 2 MHz in 5 ranges

SQUARE WAVE
20 Hz to 200 kHz in 4 ranges

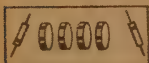
CHECK THESE DELUXE FEATURES



Six step
attenuators
for up to 41
dB attenuation



Sulzer oscil-
lator for full,
accurate
decade ranges



Heavy-duty
regulated dual
power supply
with 4 Zener
diodes

Silicon solid-state sine/square wave Generator Kit for audio, ultrasonic and AM testing

Knight-Kit KG-688. Here's the signal source for everything from audio to video frequency amplifiers. Sine wave range covers 20 Hz to 2 MHz (includes entire standard AM band). Square wave range is 20 Hz to 200 kHz. Sulzer oscillator has field-effect transistor for super-accuracy. Complementary-symmetry output for low impedance and distortion. Multiple feedback circuit uses barretter element for constant amplitude output. Constant-impedance calibrated step attenuators for up to 41 dB attenuation in 1-dB steps.

Easy-to-read 4" heavy-gauge aluminum dial with molded hairline cursor for easy selection; 6:1 planetary-ball, anti-backlash vernier drive. Ground post at rear chassis. Positive-lock, 5-way binding posts accept standard GR plugs. Metal case 7 3/4 x 7 1/2 x 10 1/4". Two-wire line cord is detachable for easy storage. With solder-tailed step-by-step assembly instructions.

29 B 3995 X. Shpg. wt. 10 lbs.

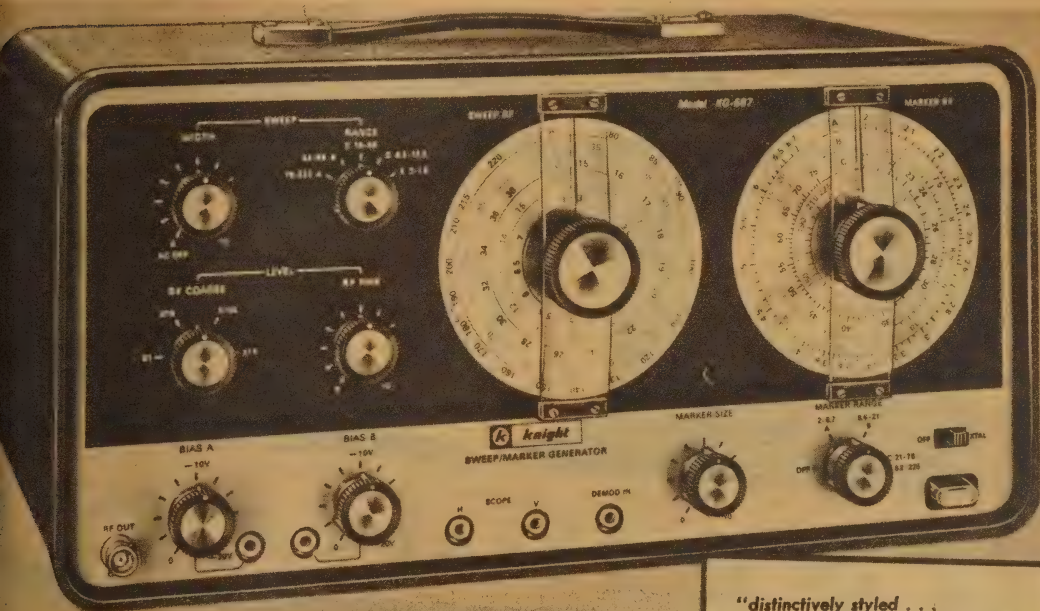
SPECIFICATIONS

SINE WAVE. Frequency Coverage: 20 Hz to 2.0 MHz in 5 ranges. X10, 20 Hz to 200 Hz; X100, 200 Hz to 2 kHz; X1k, 2 kHz to 20 kHz; X10k, 20 kHz to 200 kHz; X100k, 200 kHz to 2 MHz. Output Voltage: adjustable 0-7.5 V rms into 10k ohms or higher; 0-6.5 V rms into 600 ohms. Source Impedance: 600 ohms nominal using attenuators. Distortion: less than 0.25% across entire audio range. Frequency Accuracy: $\pm 1\%$ over entire range except $\pm 5\%$ below 100 kHz and above 1 MHz. **SQUARE WAVE.** Frequency Coverage: 20 Hz to 200 kHz in 4 ranges. X10, 20 Hz to 200 Hz; X100, 200 Hz to 2 kHz; X1k, 2 kHz to 20 kHz; X10k, 20 kHz to 200 kHz. Output Voltage: adjustable 0-10 volts p-p into high-impedance loads. Source Impedance: 200 ohms nominal. Rise Time: less than 0.1 μ sec at 20 kHz. Power: 110-130 volts, 50-60 Hz AC.

Get all-electronic sweep from 1 Hz to as high as 18 MHz and a built-in marker system that requires no extra RF generator

119⁹⁵

A low price for a generator with crystal-controlled and variable post-injection markers that let you see your exact alignment frequencies on your oscilloscope



SWEEP OSCILLATOR
Covers 3 to 220 MHz on
five fundamental bands

MARKER OSCILLATOR
Covers 2 to 225 MHz
on four bands

*"distinctively styled . . .
Construction of the kit is
simple and straightforward."*
ELECTRONICS WORLD

Silicon solid-state Sweep/Marker Generator Kit covers all FM broadcast and VHF-TV frequencies

ht-Kit KG-687. A "must" for color TV, FM and stereo-FM servicing. Provides electronic sweep from 1 Hz to as high as 18 MHz at highest center frequency. ly use in conjunction with any good scope for a completely professional align- job. Even has dual AGC bias supplies for units under test. *Silicon transistor* it for stability, plus regulated power supply and dual feedback. Five-band satur- reactor. Four-step decade attenuator with level control. RF retrace blanking horizontal phase adjustment for scopes.

Hz crystal (included) may be internally mixed with variable marker. On-off h for crystal function. Steel case, 10 $\frac{1}{2}$ x14 $\frac{3}{4}$ x7 $\frac{3}{4}$ ". Detachable 2-wire line cord. 4.5 MHz crystal in HC-6/U holder. Optional crystals below.

3394 X. Shpg. wt. 13 lbs.119.95

3356. 5-MHz Crystal. Fits HC-6/U Holder. Shpg. wt. 3 oz.4.95

3357. 10.7-MHz Crystal. Fits HC-6/U Holder. Shpg. wt. 3 oz.4.95

SPECIFICATIONS

up Oscillator. Frequency Range: 3-220 MHz. Output Levels: 3-50 MHz, 0.3 V rms 50-120 MHz, 0.1 V rms min.; 120-220 MHz, 0.05 V rms min. Amplitude Regulation: sweep widths not to exceed 20 % 3-50 MHz, ± 0.5 dB; 50-220 MHz, ± 1 dB. ut Impedance: 75 ohms. Sweep Width: variable from 0-18 MHz on Band B; 0-8 at TV IF frequencies. Sweep Frequency: 60 Hz. Output Attenuator: 4-step de, continuously variable level control. Marker Oscillator. Variable Frequency es: Band A, 2-6.7 MHz; Band B, 6.6-21 MHz; Band C, 21-75 MHz; Band D (har- c), 65-225 MHz. Crystal Frequencies: 4.5 MHz included; 500-kHz to 20-MHz crys- in HC-6/U holders may be used. Cables Supplied: RF Output Demod. Signal; loscope and Bias Supply Leads. Power: 110-130 volts, 50-60 Hz AC.

PROFESSIONAL FEATURES



Precise 4" metal
dials with
smooth 6:1
vernier drive
and anti-backlash



Marker systems
may be mixed
internally



Dual regulated
0 to -20 V AGC
bias supplies for
sets under test



Front panel
scope outputs

ight-Kits are a product of Allied Radio Shack



Accurate enough to make easier
work even out of the "tough dogs"

99⁹⁵

"An honest-to-goodness calibrated-
output RF signal generator for under
\$300! Yep, less than \$100. It's
Allied Radio's KG-686."

ELECTRONICS ILLUSTRATED



Easy-to-read
dial has
6:1 vernier
drive and
anti-backlash



Six individually shielded
step attenuator switches
control 21 levels to 96 dB



100 kHz/1 MHz
Crystal-
Calibrator
for $\pm 0.1\%$
accuracy

Solid-state RF Signal Generator Kit with silicon transistors and built-in crystal calibrator

Knight-Kit KG-686. Gives you the precision control needed for exact alignment troubleshooting work. All silicon-transistor circuit provides outstanding stability while the built-in 100 kHz/1 MHz crystal calibrator gives you frequency accuracy comparable to models costing much more. Covers 100 kHz to 54 MHz range in fundamental bands (including all television IF frequencies). Accuracy is $\pm 0.1\%$ on any band, usable to $\pm 0.1\%$ with calibrator.

Floating-type oscillator provides complete isolation from chassis; tunable L on every band; bridged "T" low-distortion two-stage modulation oscillator. Individually shielded step attenuator switches offer 21 discrete levels for precise attenuation to -96 dB. Fine attenuator control covers -10 to +2 dB. Detector amplifier-speaker system provides audible "zero" beats from crystal calibrator. Clearly calibrated, two-color 4" metal dial has 6:1 vernier drive and antibacklash precise frequency selection.

Generous copper shielding assures minimum radiated leakage. Fully regulated power supply for excellent stability. Output: 120,000 μ V max., into 50-ohm load, detachable two-wire line cord. Steel case, 10 $\frac{1}{2}$ "x14 $\frac{1}{2}$ "x7 $\frac{1}{4}$ ". With BNC output jack cable.

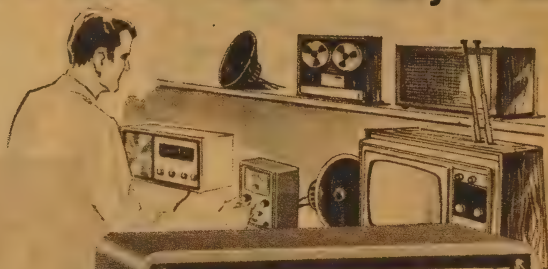
29 B 3993 X. Shpg. wt. 15 lbs.

SPECIFICATIONS

Frequency Coverage(5 fundamental bands): A, 100-370 kHz; B, 370-1400 kHz; C, 1.4-16 MHz; D, 5.1-16 MHz; E, 16-54 MHz. **Frequency Accuracy:** $\pm 1.5\%$, usable to $\pm 0.1\%$ with calibrator. **Calibrator:** 100 kHz (derived)/1 MHz, accuracy $\pm 0.05\%$. **Detector:** amplifier-speaker audible "zero" beat system. **Calibrated Output:** 50-ohm load, 120,000 μ V max. **Open Circuit Uncalibrated Output (min. Vrms/band):** A, 3; B, 0.6; D, E, 0.3. **Attenuation:** six step attenuators; 21 levels to -96 dB. **Fine control:** -10 to +2 dB. **Outputs to -106 dB (0.5 μ V):** **Internal Modulation:** 400 Hz at $\pm 2\%$ metered depth to 50($\pm 5\%$) to 30 MHz. **External Sensitivity:** approximately 1 Vrms 50% modulation at 400 Hz. **Power:** 110-130 VAC.

NEW! A portable battery powered Transistor Tester Kit that checks components in or out of circuit . . and it's easy to use

27⁹⁵



Measures gain and leakage, tests for opens and shorts, and more

Night-Kit KG-691. Has the circuit you need for fast, accurate transistor testing. Big $4\frac{1}{2}"$ 200 μ A meter is sensitive and easy to read. Everything is up front . . all switches, ten-turn calibrate control, and panel-mounted socket for out-of-circuit testing of small devices. Measures gain in or out of circuit, emitter-to-collector (I_{CEO}) and base-to-collector (I_{CBO}) leakage out of circuit. Also tests in-circuit diode forward and reverse current, indicating opens, shorts (tested out of circuit if hunted by low impedance). Mirror scale cuts parallax.

Identifies NPN or PNP devices, anode and cathode of unmarked diodes, and matches transistors of the same type or opposite types as in complementary circuits. Defective devices or stages are quickly located . . with no need for special device specs. Just connect, adjust calibrate control and press-to-test transistor gain. Will not damage components under test even if connected incorrectly. With battery, assembly and operating instructions.

B 3922. Shpg. wt. 4 lbs. **27.95**

SPECIFICATIONS

DC Beta: x1 range—2-100, x10 range—20-1000. **Out-of-Circuit Accuracy:** $\pm 5\%$. **In-circuit Accuracy:** Indicates good or bad (accuracy depends upon circuit being tested); I_{CEO} —5000 μ A; I_{CBO} —0-5000 μ A; diodes, forward or reverse current—0-5000 μ A. **Power:** Standard "D" battery (included). **Dimensions:** $8\frac{1}{2}" \times 4\frac{1}{4}" \times 7\frac{1}{4}"$. **Actual wt.:** $2\frac{1}{4}$ lbs.



19⁹⁵

RF Generator Kit with battery powered solid-state circuit



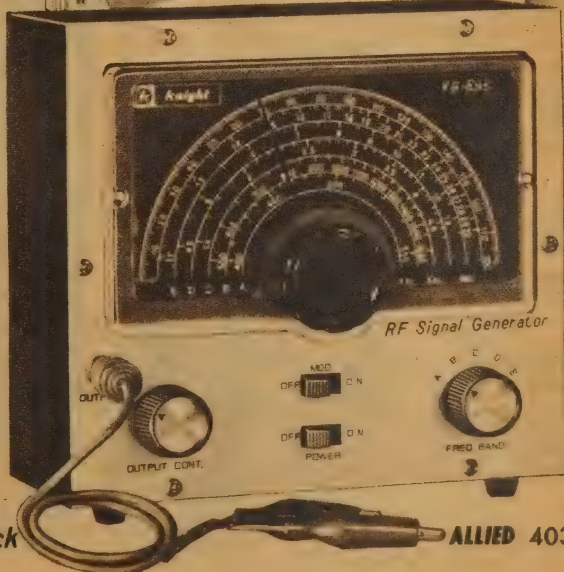
Night-Kit KG-696. Bring extra convenience to your shop or bench with this fully portable signal generator kit. Battery powered, compact, and lightweight, it's ideal for housecalls and servicing mobile equipment—gives you an accurate RF output anywhere you need it. Checks RF, IF and oscillator alignment in AM and FM radios. It can also be used with a sweep generator for TV receiver alignment. Wide frequency coverage, from 400 kHz to 30 MHz in five bands. Solid-state circuit assures maximum reliability and performance.

Nearly calibrated vernier dial and five-position band selector make precise frequency selection a snap. Select either modulated or unmodulated output. Internal 1000-Hz modulation oscillator; continuous-type voltage attenuator. Low impedance output; coaxial output connector and leads. Precision-wound adjustable coils. Printed circuit for fast assembly. Black metal case, $5\frac{1}{2}" \times 5\frac{1}{2}" \times 3\frac{3}{4}"$. With 9-volt battery, all parts, PC board, solder, assembly instructions.

B 3952. Shpg. wt. 2 lbs. **19.95**

SPECIFICATIONS

Frequency Coverage: 400 kHz to 30 MHz in five fundamental bands. Band A, 400 to 500 kHz; Band B, 550 to 1600 kHz; and C, 1.6 to 4.5 MHz; Band D, 4.5 to 13 MHz; Band E, 2 to 30 MHz. **RF Output:** over 100,000 μ V. **Modulation:** 1000 Hz. **Audio:** 1 kHz, adjustable intensity. **Battery:** Allied 904 or its equivalent.



Night-Kits are a product of Allied Radio Shack

ALLIED 403

You're "at the scene" with this action-packed Monitor Kit

6495

Be aware of police activities, fires or tornado warnings in your area... Monitor the airwaves and be informed!



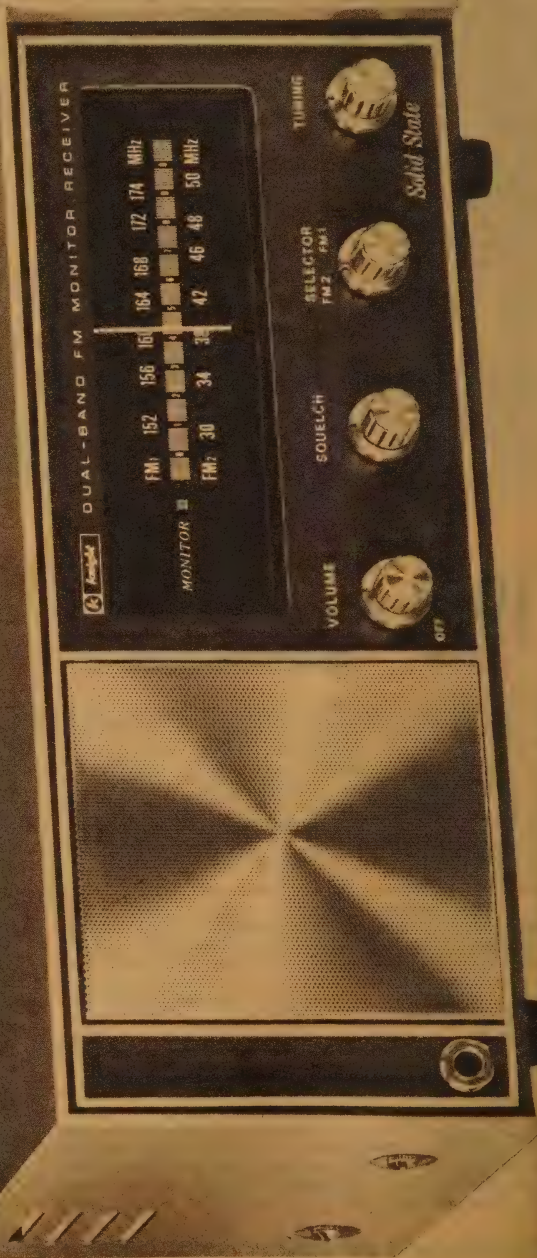
Listen to fire, police, Civil Defense calls



Up-to-the-minute weather reports



Listen to forestry and conservation services



MODULAR CONCEPT

Knight-Kit's exclusive Modular Concept makes kit assembly faster, easier, and much more enjoyable. Most parts are pre-mounted and soldered on printed circuit boards. All you do is solder interconnections. Critical circuits are aligned at the factory.

Dual Band VHF FM Monitor Kit Covers Both the 30-50 MHz and the 152-174 MHz bands to pick up dramatic police and emergency calls

Knight-Kit Monitor III. Listen in on the "heart-beat" of your city... feel the "pulse" of activity and life in your community. Hear the urgent radio calls that trigger law enforcement patrols into action and send fire fighters racing to burning buildings. Alert your friends and neighbors to emergency weather warnings from the U.S. Weather Bureau. Hear messages on civil defense frequencies. Listen to forestry and conservation services, mobile radio-telephones, domestic public services and land transportation radio communications. Listen to all of this—and more—on the sensational Monitor III; the receiver kit that tunes you in to what's happening.

Monitors the lower VHF and upper VHF bands. Has solid-state design for dependable, instant operation. Sensitive FM circuit provides static-free reception. Built-in 4" speaker is fed by powerful push-pull audio output. Circuit has four preassembled, aligned IF stages, tuned RF stage and mixer for greater sen-

sitivity and selectivity. Automatic volume control prevents overload by strong signals and boosts weak signals for best possible reception. Regulated power supply. Adjustable squelch keeps speaker silent unless a signal is being received... eliminates static between messages.

Audio jack receives headphones for private monitoring or external 8-ohm speaker. Easy-to-read illuminated dial is equipped with logging scale numbered from 0 to 100—a valuable aid when returning to stations of unknown frequencies on the dial after tuning through the band. Also has antenna terminals for connecting your antenna for best possible long-range reception. Gray metal case. 5 $\frac{7}{16}$ "x11 $\frac{3}{4}$ "x7 $\frac{1}{4}$ ". With solder, wire, illustrated manual, AC.

29 B 3412 X. Shpg. wt. 11 lbs. **64.95**
Dual Headset. 8 ohms. With plug and cord. Shpg. wt. 1 lb.
33 B 5008. **7.95**

SPECIFICATIONS

Tuning Range: Receives signals in the range of 30-50 MHz on band one and 152-174 MHz on band two. **Sensitivity:** Better than 4 μ V for 20 dB S/N. IF Frequency: 10.7 MHz. **Power Supply:** Full wave, transformer operated; zener diode regulation. **Active Circuit Elements:** 20 transistors, 10 diodes.

Get increased range with Monitor Receiver Outfit

Separately, **\$83.89**. Includes: Knight-Kit Monitor III Dual-Band VHF-FM Monitor Receiver, Allied $\frac{1}{2}$ -Wave Ground Plane Antenna, and 50' Coil RG-58/U Foam Coax Cable. Pick up more signals on your receiver with this low-cost outfit. Antenna has mounting clamp for up to 1 $\frac{1}{2}$ " dia. masts. Cable with PL-259 connectors. **34 B 6027 L3X.** Wt. 16 lbs. **72.50**
21 B 5505 X. Allied Antenna Alone. Shpg. wt. 3 lbs. **11.95**
278 B 6002. 50' Coil RG-58/U Cable Alone. Shpg. wt. 2 lbs. **6.99**



Save \$11.39

72.50

Speaker: 4" oval, built-in. **Audio Output:** 1 watt to built-in speaker or external speaker. **Antenna Output:** 50-75 ohms impedance. **Headphone Output:** 8 ohms impedance; standard $\frac{1}{4}$ " headphone jack provided. **Power Consumption:** 10 watts at 110-120 volts, 50-60 Hz AC.



Save \$13.89

78.00



30-50 MHz FM BAND

Police, fire, civil defense, other emergency services, utilities, radio-telephone service, pag-dispatched repair vehicles, ranging service.

152-174 MHz FM BAND

Police, fire, civil defense, other emergency services, U.S. Weather Bureau forecasts, railroads, taxi-cabs, forestry and conservation, private mobile telephone.

NOTE: Frequencies used differ in various parts of the country. Ask local authorities for the specific frequencies used by the various services in your own region.

Deluxe Monitor Receiver Outfit boosts performance

Separately, **\$91.89**. Includes: Monitor III Receiver, deluxe Ground-Plane Antenna, 50' Coil RG-58/U Foam Coax Cable. Get top performance at a low outfit price. Double-loading coil ground plane antenna has omnidirectional pattern. For masts up to 1 $\frac{1}{2}$ " diameter. Cable with PL-259 connector. **34 B 6028 L3X.** Wt. 19 lbs. **78.00**
20 B 015 X. Deluxe Antenna Alone. Shpg. wt. 6 lbs. **19.95**
278 B 6002. 50' Coil RG-38/U Cable Alone. Shpg. wt. 2 lbs. **6.99**



Get the jump on tomorrow's
news... listen as it happens

49⁹⁵
no money down*



FIVE BANDSWITCHED TUNING RANGES

Longwave.....200 to 400 kHz
AM.....550 to 1800 kHz
1st SW.....1.8 to 4.8 MHz
2nd SW.....4.8 to 12 MHz
3rd SW.....12 to 30 MHz



Switchable
ANL cuts
static for
clear reception



Illuminated "S"
meter measures
signal strength,
aids in tuning



Switchable
AVC reduces
fading, stops
blasting

Star Roamer® AM/Shortwave Receiver Kit with easy-to-assemble tube-type superhet circuit

Treat yourself to fascinating listening from the capitals of the world! Tune-in famous cities of Europe, Asia, Africa, North and South America. Hear ship-to-ship signals. Set your watch or clock to the exact time given by U.S. Government time WWV in Colorado. Get aviation weather reports or tune-in on Coast Guard Loran signals. Listen to Hams, Citizens Banders, Radio Telephoners—all this and your favorite AM radio programs. Covers these exciting bands: 200-400 kHz long wave; 550-1800 kHz AM; 1.8-4.8 MHz, 4.8-12 MHz and 12-30 MHz SW. Features bandswitched ranges; electronic bandspread control for extra separation between stations; illuminated signal-strength meter to show strongest signal for correct tuning.

IF sensitivity control helps pick up distant stations and develops beat note for correct reception and practice. Automatic Volume Control assures even volume when receiving signals of widely different strengths. Automatic Noise Limiter cuts static for clear reception. Antenna trimmer peaks incoming signals. Built-in 4" speaker front-panel headphone jack for dual headset (below). Illuminated 7½" slide-rule Code key jack for code practice. Built-in AM antenna. Charcoal gray cabinet with aluminum front panel. 5½"x12¼"x8". With wire and instructions. See accessories below. Tubes: 6BE6, 6HR6, 12AX7, 6AR5; plus rectifier. AC.

29 B 3102 X. Shpg. wt. 12 lbs.....

ACCESSORIES

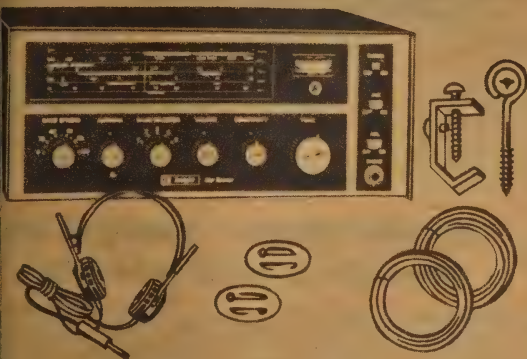
29 B 3099. Long-Range Antenna Kit for Outdoors or Attic. Shpg. wt. 1 lb.....

29 B 3257. Dual Headset with Cord and Plug. Shpg. wt. 1 lb.....

20 B 1084. Code Practice Key. Shpg. wt. 1 lb.....

Star Roamer Kit Outfit with antenna kit and dual headset

52⁹⁵ no money down
see page 331



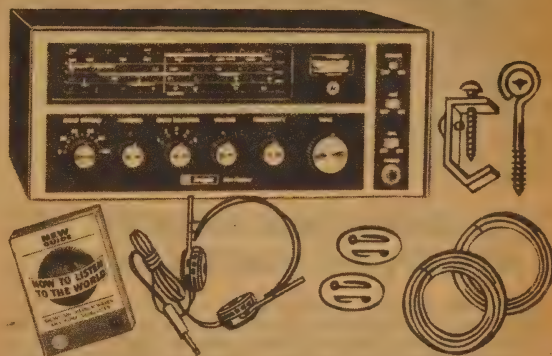
Everything you need for exciting long-distance reception . . . Antenna pulls in stations from the corners of the earth

If you appreciate the wonderful experience of assembling a electronic kit and getting a good receiver too, you'll want this outfit. Includes: Star Roamer 5-Band Shortwave Receiver Kit; Antenna Kit for outdoor and attic mounting with 50-ft. wire, 25-ft. lead-in, standoff, clamp, insulators; Dual Headset with cord and phone plug. After a few enjoyable hours of assembly you'll have a complete, sensitive receiving station for international and domestic listening. It's the perfect outfit for getting started in long-distance radio listening. Discover the thrill of armchair travelling with this feature-packed SW receiver. Valuable accessories assure outstanding longwave and shortwave reception plus regular AM stations. With all parts, wire, solder, detailed instructions. AC.

B 6014 L3X. Shpg. wt. 24 lbs. **52.95**

Star Roamer Kit Outfit with antenna kit, headset, guidebook

53⁹⁵ no money down
see page 331



Features long-range Antenna Kit, dual headset for private listening, plus 84-page Guide to World Listening

Offers everything needed for fun-filled shortwave listening. Outfit includes: Star Roamer Receiver Kit; Antenna Kit with 50-ft. wire, 25-ft. lead-in, standoff, clamp, insulators; Dual Headset with cord and phone plug; 84-page Book, "How to Listen to the World." Antenna kit includes everything necessary for outstanding reception of all available stations. Dual headset allows private listening—have all the volume you want without disturbing others. Big 84-page guidebook provides frequency listings of shortwave broadcast stations all over the world, including type of broadcast (music, news, commentary, etc.), time schedules, plus useful and interesting information about the "hows and whys" of shortwave broadcast stations. With all parts, wire, solder, instructions. AC.

34 B 6015 L4X. Shpg. wt. 15 lbs. **53.95**

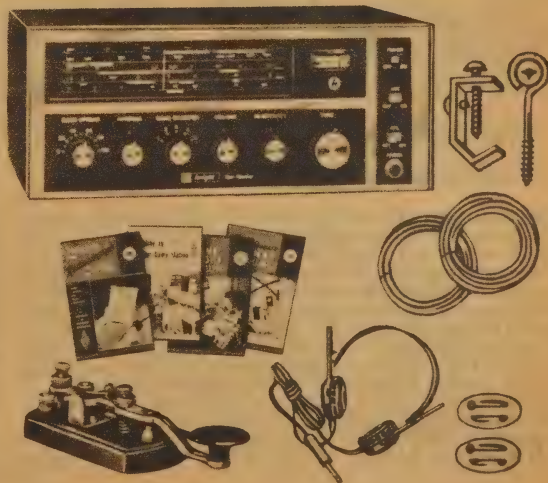
Start learning Amateur Radio with this complete Star Roamer Kit Outfit

Fascinating introduction to Ham radio . . . Star Roamer Kit plus Antenna Kit, Headset, Code Key, ARRL Book Set

54⁹⁵
no money down
see page 331

This deluxe outfit has all you need to enter the exciting world of Ham radio. You learn by listening to the Hams themselves. Outfit includes: Star Roamer 5-Band Shortwave Receiver Kit; long-range Antenna Kit for outdoor and attic mounting with 50-ft. wire, 25-ft. lead-in, standoff, clamp, insulators; Dual Headset for private listening; Code Practice Key; 4-Book ARRL Set, "Gateway to Amateur Radio," including How to Become a Radio Amateur, Learning the Radio-Telegraph Code, Operating an Amateur Radio Station, Radio Amateur's License Manual. Star Roamer offers wide coverage of 160 through 10-meter Ham bands. Learn Morse Code by listening "on the air"—then practice using the code key plugged into the rear-panel jack on the receiver. Informative books give a full introduction to Ham radio and they are written in easy-to-understand non-technical language. Star Roamer kit includes all parts, wire, solder and detailed instructions. AC.

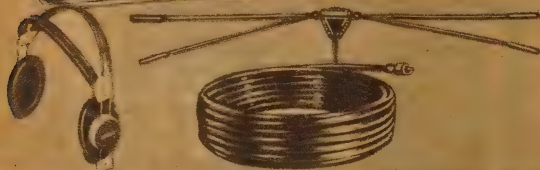
B 6016 L5X. Shpg. wt. 16 lbs. **54.95**



Save money on one of these great outfits featuring our finest Knight-Kit® Amateur/SWL Communications Receiver Kit



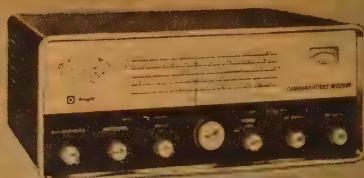
Save \$11.35
105⁵⁰



With 80-meter Doublet Antenna, 50-ft. coil of RG-58/U Coax, deluxe Dual Headphones

Separately, \$116.85. Outfit includes Knight-Kit R-195 Amateur/SWL Communications Receiver Kit; Hy-Gain HD-4 Single-Band 80-meter Doublet Antenna with 50 feet of RG-58/U Coaxial Cable; and Deluxe Dual Headphones. Doublet antenna handles 500 watts of power, comes with cutting instructions for adding the 10 and 40-meter bands, and includes copper-clad wire, insulators, and hardware. Deluxe dual headphones have vinyl-covered double headband, adjustable earpieces with removable ear-encompassing cushions that block out distracting noise from the surrounding area, and heavy-duty 5-ft. cord with standard 1/4" phone plug. These headphones provide comfortable listening over long periods and give crisp, clear reproduction of the audio range.

34 B 6017 L3X Shpg. wt. 12 lbs. 105.50



Save \$12.
112⁰⁰



Shows time anywhere the world at a glance battery operated . . . veneer wood cabinet

With Allied Hamclock . . . shows world time and operates for months on one battery

Separately, \$124.90. Outfit includes Knight-Kit R-195 Amateur/SWL Communications Receiver Kit; Allied Model A-3 Hamclock. The Hamclock is a handsome as well as useful addition to any Ham shack. It gives you the exact local time, the time in any call area or section of the world at a glance. Call areas and major cities are clearly marked on the large, easy-to-read clock face. It helps you to maintain schedule regardless of the area and make accurate time entries in your log. Keeps accurate time on a single "D" battery. Can be placed anywhere without regard for the availability of an electric outlet. Attractive walnut veneer wood cabinet. 7 1/4" x 11 1/4". Order alkaline "D" battery below.

34 B 6018 L2X. Shpg. wt. 11 1/2 lbs. 112.00
23 B 5001 Alkaline "D" Battery. Shpg. wt. 10 oz. Pkg. of 2 for



Save \$9.93
94⁵⁰



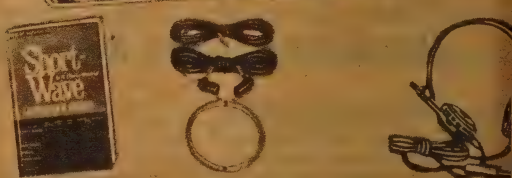
With Shortwave/AM Antenna Kit, 100 feet lead-in wire, Amateur Radio 4-book Set

Separately, \$104.43. Outfit includes Knight-Kit Model R-195 Amateur/SWL Communications Receiver Kit; Shortwave/AM Antenna Kit; and 4-book Set, "Gateway to Amateur Radio." Shortwave/AM antenna "pulls in" difficult-to-receive stations on shortwave and AM broadcast bands. It includes 100 feet of 7x26 copper wire, heavy-gauge ground wire, 2 insulators, lightning arrestor, 2 nail knobs, ground clamp, and detailed installation instructions. The "Gateway to Amateur Radio" book set for the Novice and prospective Ham includes: How to Become a Radio Amateur, Learning the Radio-Telegraph Code, Radio Amateur's License Manual, and Operating an Amateur Radio Station. These books are written in clear non-technical language and contain a total of 331 pages. Each is 6 1/4" x 9 1/2".

34 B 6019 L3X. Shpg. wt. 15 1/2 lbs. 94.50



Save \$12.
97⁵⁰



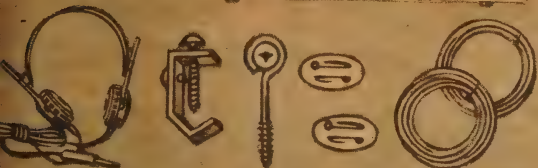
With long-distance Shortwave Antenna, Shortwave Listening Guide, Dual Headset

Separately, \$109.90. Outfit includes Knight-Kit R-195 Amateur/SWL Communications Receiver Kit; Hy-Gain SSW6 Long-Distance Shortwave Antenna; SWL guide, "New Guide to World Listening"; Dual Headset with cord and plug. The long-distance shortwave antenna is an excellent outdoor longwave antenna designed to receive all shortwave bands from 1.8 to 30 MHz. It is completely assembled and consists of 50 feet of bare copper wire attached at both ends to low-loss styron insulator and to a 40-ft. lead-in. Nonstretch rope attached to each insulator mounts the antenna. The shortwave listening guide discusses shortwaves, antennas, time zones, and much more. The dual headset is lightweight and comfortable and provides clear reproduction of the audio range.

34 B 6020 L4X. Shpg. wt. 16 lbs. 97.50

Savings on shortwave-listening outfits with the NEW Knight-Kit solid-state Star Roamer II Shortwave Receiver Kit

Save \$2.64
71⁵⁰



With Antenna Kit for outdoors or attic and Dual Headset for easy listening

Separately, \$74.14. Outfit includes Knight-Kit Star Roamer II Shortwave Receiver Kit; Outdoor/Indoor Antenna Kit; and Dual Headset with cord and plug. Everything you need for a complete, sensitive listening post for the reception of international and domestic shortwave stations and other exciting broadcasts. The antenna can be installed outdoors or in an attic, where an outdoor antenna isn't practical. It includes bare copper antenna wire, insulated lead-in, two strain insulators, two standoff insulators, a ground strap, and instructions. A good antenna makes the big difference in distant station reception. The dual headset is lightweight and comfortable for listening over long periods. Provides clear, crisp reproduction of the audio range at all communications frequencies.

34 B 6021 L3X. Shpg. wt. 15 lbs. **71.50**

Save \$4.14
73⁵⁰

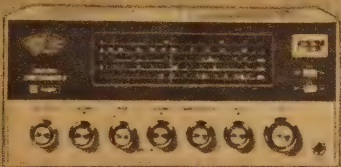


With Antenna Kit, lightweight Dual Headset, SWL guide, "How to Listen to the World"

Separately, \$77.64. Outfit includes Knight-Kit Star Roamer II Shortwave Receiver Kit; Outdoor/Indoor Antenna Kit; Dual Headset with cord and plug; SWL Guide. The antenna can be installed outdoors or indoors and includes bare copper antenna wire, insulated lead-in, two strain insulators, two standoff insulators, and a ground strap. The dual headset is comfortable for long listening periods and provides crisp, clear reproduction of the audio range. The shortwave listener's guide is dedicated to helping you obtain the greatest benefit from your shortwave receiver. It discusses DX reception and factors affecting it, radio stations and the principals and aims of their broadcasting policies, antennas, time zones, how to listen for the best results, and much more.

34 B 6022 L4X. Shpg. wt. 15 lbs. **73.50**

Save \$5.40
76⁵⁰

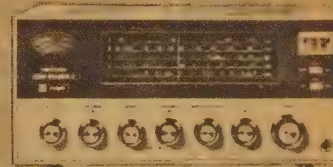


With Deluxe Shortwave Antenna, Dual Headset, SWL Guide, Amateur Radio World Map

Separately, \$81.90. Outfit includes Knight-Kit Star Roamer II Shortwave Receiver Kit; Hy-Gain SSW6 Long-Distance Shortwave Antenna; Dual Headset with cord and plug; SWL guide, "New Guide to World Listening"; Amateur Radio World Map. The long-distance shortwave antenna is an indoor or outdoor longwire antenna designed to receive all shortwave bands from 1.8 to 30 MHz. It is assembled and consists of 50 feet of bare copper wire attached at both ends to low-loss styron insulators and to a 40-ft. lead-in. Nonstretch rope attached to each insulator mounts the antenna. The dual headset is lightweight and comfortable and provides clear reproduction. The SWL guide discusses shortwaves, antennas, time zones, and more. The Amateur Radio World Map is up-to-the-minute.

34 B 6023 L5X. Shpg. wt. 16 lbs. **76.50**

Save \$3.59
75⁰⁰



With Antenna Kit, Code Practice Key Dual Headset, Amateur Radio 4-book Set

Separately, \$78.59. Outfit includes Knight-Kit Star Roamer II Shortwave Receiver Kit; Outdoor/Indoor Antenna Kit; Dual Headset with cord and plug; Code Practice Key; and 4-book set, "Gateway to Amateur Radio." The antenna can be installed outdoors or in the attic and includes bare copper antenna wire, insulated lead-in, two strain insulators, two standoff insulators, and a ground strap. The dual headset provides crisp, clear reproduction. The practice key can be connected to the special terminals of your Star Roamer for code practice. "Gateway to Amateur Radio" book set includes: How to Become a Radio Amateur, Learning the Radio-Telegraph Code, Radio Amateur's License Manual, and Operating an Amateur Radio Station. These books contain a total of 331 pages.

34 B 6024 L5X. Shpg. wt. 17 lbs. **75.00**

Hams and serious shortwave listeners . . here's Knight-Kit's best 5-band Communications Receiver Kit, designed with you in mind

99⁹⁵ no money down
see page 331

Tunes longwave, standard AM, shortwave, plus 80-10 meter Ham bands with calibrated bandspread . . solid-state circuit has every necessary feature for great AM, CW and SSB

Knight-Kit R-195. Good enough to meet today's tough requirements for competitive Ham radio and shortwave listening. Ham operators can count on this receiver to do its part in providing the maximum in communications. SWL's will really appreciate the way it brings in signals from all over the world. Covers 200-420 kHz, 540-1800 kHz, 1.8-4.8 MHz, 4.8-12 MHz, 12-30 MHz. Receives all Amateur bands from 80 to 10 meters, international shortwave, foreign, aircraft, and marine broadcasts, much more. You choose your listening from AM, CW, or SSB. Has calibrated bandspread on 80-20 meter Ham bands. Modern solid-state circuit with specially designed tuned RF stage for high sensitivity and lowest noise. Ceramic IF filters provide superior selectivity for excellent station separation. Noise limiter and automatic volume control reduce noise, blasting, and fading. Built-in BFO and Product Detector give clear reception of CW and SSB. Large illuminated slide-rule dial and accurate bandspread dial with velvet-smooth tuning drive. Adjustable "S" meter for signal-strength checks. Remote-receiver-muting connections. Built-in 4" speaker. Headphone jack. Built-in AC power supply. Provision for operation from 12-volt car battery. Metal cabinet, 5 1/2"x13 1/4"x11". *Modular Concept for easy assembly. With full instructions. AC.

29 B 3032 X. Shpg. wt. 10 lbs. **99.95**

SPECIFICATIONS

Frequency Ranges: Band A, 200 to 420 kHz; Band B, 540 to 1800 kHz; Band C, 1.8 to 4.8 MHz; Band D, 4.8 to 12 MHz; Band E, 12 to 30 MHz. **Sensitivity:** 2 μ V for 10-dB S+N/N on Band J. **Selectivity:** 4.5 kHz bandwidth at -40 dB. **Intermediate Frequency:** 455 kHz. **Beat Frequency Oscillator:** Switchable type (separate oscillator). **Product Detector:** SSB operation. **Automatic Noise Limiter:** Switchable series-gate type. **Automatic Volume Control:** Switchable. **Audio Output:** 1 watt. **Power Supply:** AC; provision for 12-volt car battery. **Speaker:** built-in 4".

Modern Ceramic IF filters for better selectivity



Illuminated "S" meter shows signal strength



Bandspread on Ham bands for precise tuning



FET front-end for highest sensitivity



NEW

Hey, armchair traveler, look at what we've got . . a solid state version of our famous Star Roamer® SW Receiver Kit

69⁹⁵ no money down
see page 331

Five bands cover 200 kHz to 30 MHz for longwave, standard AM, shortwave, 80-10 meter Ham bands with calibrated bandspread . . offers AM/CW/SSB modes

Knight-Kit Star Roamer II. There's a world of information and entertainment at your fingertips with this all-new solid-state model. Covers 200-400 kHz longwave, 550-1800 kHz AM, 1.8-4.8 MHz, 4.8-12 MHz, 12-30 MHz shortwave. Features five band-switched ranges, calibrated bandspread on 80-20 meter Ham bands, illuminated signal-strength meter for signal checks and easier tuning. Beat-frequency oscillator (BFO) with variable pitch control allows code reception and code practice. Automatic volume control (AVC) assures constant volume-level when receiving signals of widely different strengths. Automatic noise limiter (ANL) cuts static for clear, crisp reception. Antenna trimmer peaks incoming signals for strongest reception. AM/CW/SSB mode selector. Built-in 4" speaker, front-panel headphone jack, large illuminated slide-rule dial. Code-key terminals for code practice. Built-in AC power supply, provision for external 12-V battery. Cabinet, 5 1/2"x12 1/4"x8". *Modular Concept assembly. Optional accessories below.

29 B 3115X. Shpg. wt. 12 lbs. **69.95**
29 B 3099. Antenna Kit for Outdoors or Attic. Shpg. wt. 1 lb. **1.69**
29 B 3257. Dual Headset with Cord and Plug. Shpg. wt. 1 lb. **2.50**
20 B 1084. Code-Practice Key. Shpg. wt. 1 lb. **1.95**

SPECIFICATIONS

Frequency Ranges: Band A, 200 to 420 kHz; Band B, 540 to 1800 kHz; Band C, 1.8 to 4.8 MHz; Band D, 4.8 to 12 MHz; Band E, 12 to 30 MHz. **Sensitivity:** 1 μ V for 10-dB S+N/N on Band J. **Selectivity:** 5 kHz bandwidth at -40 dB. **Beat Frequency Oscillator Range:** 448 to 458 kHz. **Image Rejection:** 24 dB on Band A. **Automatic Noise Limiter:** Switchable. **Automatic Volume Control:** Switchable. **Audio Output:** 1 watt. **Power Supply:** built-in AC; provision for the use of 12-volt car battery. **Speaker:** built-in 4".

Modern FET front-end for superior sensitivity



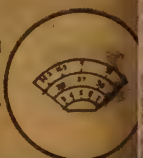
Integrated circuit for extra compactness

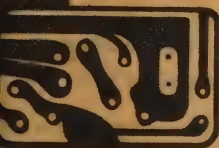


Mode switch selects AM/CW/SSB operation



Bandspread on Ham bands for precise tuning



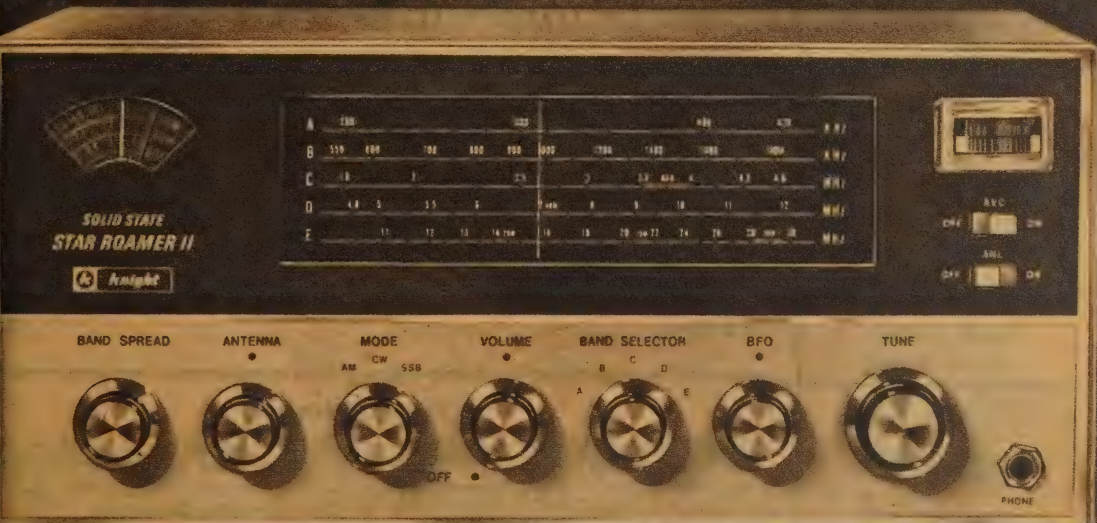


*MODULAR CONCEPT

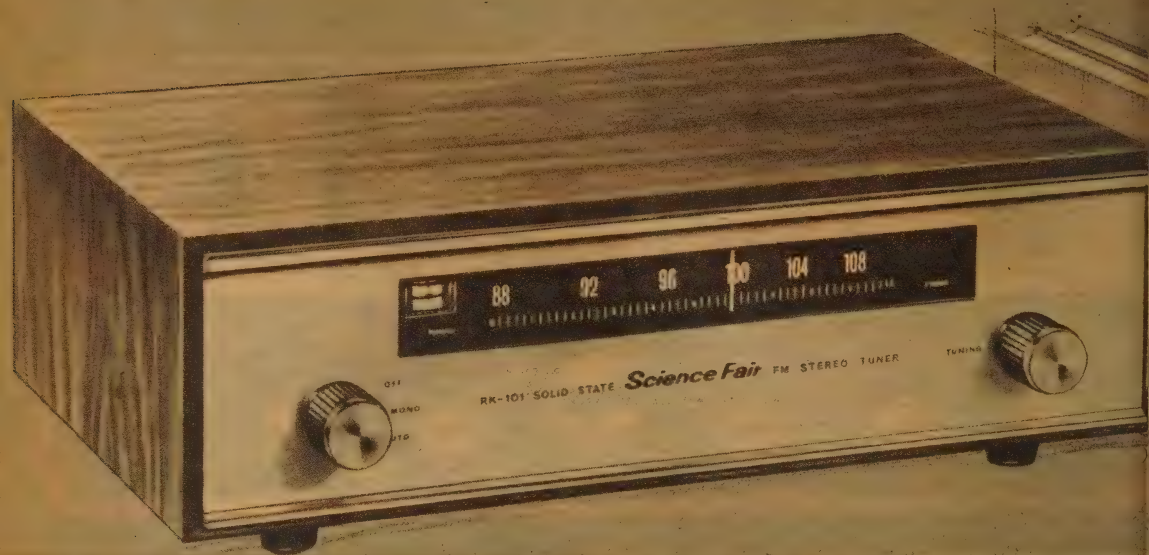
Critical circuits are factory-assembled and tested, most parts are premounted for easier and faster assembly. See page 363 for full details.



knight-kit
SHORTWAVE



NEW! Science Fair™ Stereo FM Tuner Kit



Easy to assemble . . you can build it in 5 hours or less!

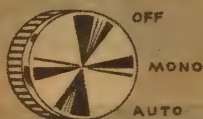
59⁹⁵

- All silicon transistors for super-stability and freedom from distortion in reception
- Pre-assembled Field Effect Transistor front end

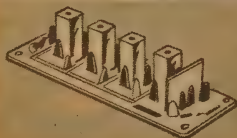


TUNING

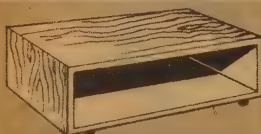
Center channel tuning meter



Stereo FM selector switching



Single printed circuit board



Handsome walnut wood case

Model RK-101. Perfect companion for our Science Fair RK-100 amplifier—or a great addition to any system, compact or console, without stereo FM. And even in Science Fair's budget-priced stereo FM tuner you get all silicon transistors, sensitive stereo FM reception that you can expect only from considerably higher-priced tuners. Pulls in excellent hi-fi stereo FM even from weak or distant stations. Silicon transistors assure super-stability and freedom from distortion. Field Effect Transistor front end is pre-assembled and aligned to provide high sensitivity and low cross modulation. Multiplex section has automatic switching to stereo plus an indicator light. A center channel meter insures perfect stereo tuning.

Build it in 5 hours or less! A single printed circuit board and easy-to-follow instructions makes construction exceptionally fast and easy. Up-to-date circuit with silicon transistors and 12 diodes. Four IF stages for maximum sensitivity. All transformers and coils are pre-aligned and instructions are included for touch-up alignment without instruments. Manual also includes instrument alignment instructions and a circuit description section. Transformer power supply with silicon rectifier.

Easy-to-operate controls: selector switching; flywheel tuning control and rear panel volume controls for each channel. Heavy-duty gold-color extruded aluminum panel with edge-lit slide-rule dial for easy "see-in-the-dark" tuning . . . enclosed in a decorative Walnut wood case. Includes: solder and easy-to-follow instructions, alignment tools and all necessary hookup cables. 12 1/2 x 3 1/2 x 10 1/2". Shpg. wt. 7 lbs. 28 B 232 X.59.

SPECIFICATIONS

(IHF STANDARD.) Tuning Range: 88 to 108 MHz. Sensitivity: 5 μ V (IHF). Frequency Response: ± 2 dB, 20 to 15,000 Hz. Intermediate Frequency: 10.7 MHz. Hum and Noise: -50 dB. Output Impedance: 100,000 ohms. Output Voltage: 1 volt (1000 μ V signal 100% modulated at 400 Hz). Harmonic Distortion: under 1%. Image Ratio: -50 dB. IF Rejection: over 60 dB. AM Suppression: -40 dB. Separation: over 25 dB at 1000 Hz. Power Requirement: 105-125 VAC, 50/60 Hz. 5 watt.

Science Fair™ 40-Watt Stereo Amplifier Kit



Solid-state stereo anyone can build... even the beginner!

995

- Low distortion, wide response—direct-coupled circuit
- Easy construction, three printed circuit boards
- Extruded aluminum front panel and walnut wood case

RK-100. Build your system around this great new kit from Science Fair and enjoy excellent stereo hi-fi at low cost. Powerful 40-watt output drives any speaker system for impressive hi-fi sound. And while you're at it... add the RK-101 FM to tuner kit from Science Fair (facing page) to enjoy fine stereo FM. Transistorless direct coupled complementary output circuit plus heavy duty power supply provides low distortion and ultra-clean frequency response from 20 Hz to 25,000 Hz ± 1 dB at full rated power... for startling realistic sound from deep bass to crystal-clear highs. This feature, usually found only in higher-priced amplifiers, provides super stability, higher reliability, and smooth sound.

A wide array of controls puts you in full command of all stereo and monophonic functions. Clutched volume control, full-range bass and treble controls. Even has a master on-off switch so that volume control setting never need be disturbed. Rear panel headphone jack automatically switches speaker off when plug is inserted. Switched rear panel AC convenience outlet for tuner and rear panel tape input jacks. Input selector switch for magnetic phono, tuner and auxiliary.

46-page manual and 3 printed circuit board construction insures quick, easy assembly. Includes a complete theory section... so even if this is your first kit, the needed amplifier should operate perfectly. It's ideal for the beginner kit hobbyist anyone who wants the best in electronic kits at a reasonable price. Handsome extruded aluminum panel, walnut wood case. $12\frac{1}{2} \times 13\frac{1}{2} \times 10\frac{1}{2}$ ". Includes 1 lb. Shpg. wt. 10 lbs.

231 X.....69.95

SPECIFICATIONS

Power Output at 8 ohms, Both Channels Operating: 40 watts IHF ± 1 dB, 25 watts (total). **Power Response:** ± 1 dB, 20 to 25,000 Hz at full power. **Harmonic Distortion:** under 1%, 20 to 20,000 Hz at full power. **Output Impedance:** 8-16 ohms. **Damping Factor:** 25 or better. **Hum and Noise:** Aux/Tuner -65 dB, phono -50 dB. **Sensitivity:** Phono 3 mV, Aux/Tuner 200 mV. **Tone Controls:** ± 10 dB at 50 Hz, ± 3 dB at 10,000 Hz. **Power Required:** 105-125 VAC, 50/60 Hz, 60 watts at full output.



Selector for phono, tuner and auxiliary



Power on-off rocker switch



Solid-state transistor circuits



Jack for stereo headphones

Science Fair new compact AC-operated AM broadcast Table Radio Kit

NEW FOR
'71

Power transformer

PC board

Hookup wire

Audio transformers

Capacitors

Modern cabinet

12⁹⁵

Model R-111. Build your own beautiful table radio. Our great new kit is easy-to-build, and educational as well as entertaining. The finished project looks as good as it sounds. Safe to use because of transformer operation which eliminates all formerly exposed AC leads. Fun to assemble with our detailed instruction manual as a guide. Includes a circuit description and simple no-instrument alignment instructions. Printed circuit board construc-

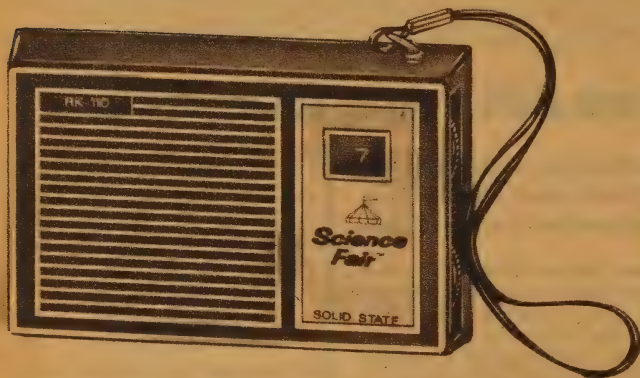
tion. Includes built-in speaker and earphones. Very attractive molded case and front panel. Its small size makes it easy to store and carry. Excellent for home or office use. Enjoy hours of musical and informational entertainment with this handy radio. Good for the beginning kit builder. Solder is included. Size, 5 1/4 x 3 3/4" overall. AC. **28 B 217.** Shpg. wt. 4 lbs.1

Science Fair— build your own AM Pocketable Portable Radio Kit

Deluxe 6-transistor superhet circuit

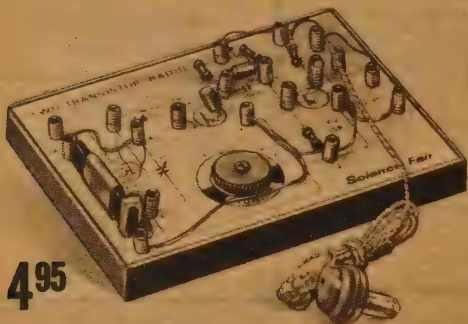
8⁹⁵

- Easy-to-build printed circuit board construction
- Complete with carry strap, battery, and earphone



Model RK-110. Kit is complete as it is, nothing else to add. Great sound from built-in speaker—or plug in included earphone. Very attractive, hi-impact plastic case with carry strap. Easy to build and use with our detailed step-by-step instructions to guide you. Its small size allows convenient use anywhere, also easy to store. Enjoy hours of music, news and sports entertainment with this handy portable. A good first kit. Easy to assemble without use of any troublesome instruments. Battery solder included. Size, 4 5/8 x 3 1/4" overall. **28 B 216.** Shpg. wt. 3 lbs.1

Science Fair compact 2-transistor Radio Kit tunes the entire AM broadcast band!

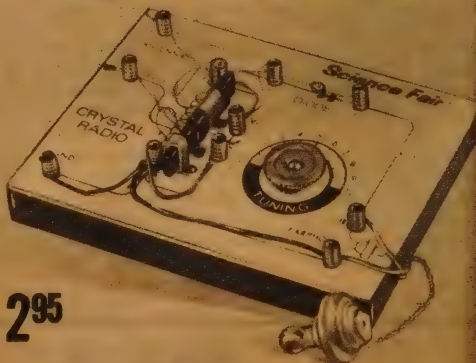


4⁹⁵

New for 1970! Enjoy hours of entertainment. Educational too. An ideal "first kit." A tunable transistor radio that works on batteries or a solar cell. Completely safe—no soldering; battery-operated. Includes parts, earphone, solar cell and a detailed manual with easy, clear instruction about assembly and operation.

28 B 214. Shpg. wt. 2 lbs.4.95
23 B 464. 9-V Battery. Uses 1, Shpg. wt. 4 oz.35¢

Science Fair Crystal AM Radio Kit tunes broadcasts with clear sound



2⁹⁵

An exciting do-it-yourself radio kit for young and old alike. An easy-to-build radio that uses the same type of circuitry Marconi used for the first radio transmissions ever made. The set includes everything, there is nothing else to buy. Very attractive and compact, easy to store anywhere. It can't wear out. Enjoy years of entertaining AM music and newscasts.

28 B 207. Shpg. wt. 2 lbs.2.1

Science Fair Kits . . entertaining and useful projects at low prices

Metal Locator Kit locates buried treasure and metal objects

Locate pipes in walls
underground

Includes stethoscope
tell you when a
"find" is made.



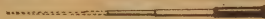
19⁹⁵

Pays for itself many times over in excitement and practicality. Use it outdoors to find treasure. Locates both ferrous metals (iron, steel) and non-ferrous metals (gold, silver, copper). Set the slide volume and pitch controls for constant tone in the earphones. Pitch then increases when it nears the object.

28 B 181 X. Shpg. wt. 4 lbs. **19.95**
23 B 454. 9V Battery. (1 required). Shpg. wt. 4 oz. **35¢**

Outstanding features

Expandable shaft, PC board construction, PC board detector plate, vol. & pitch slide controls, and manual.



Science Fair wild flashing Psycho Lite Kit turns anyplace into a swinging discotheque

Handles up to
600 Watts



NEW FOR '71 **14⁹⁵**

Use any type of lights with the kit

- Use with any radio or amplifier
- Sensitivity and background controls

From any sound from the whisper of a transistor radio to the roar of an amplifier into a flashing fantasy of lights. Simply connect "PsychoLite" wires to speaker terminals and plug into "PsychoLite" tap. Adjust sensitivity and background controls to achieve desired wild flashing effects and intensity. With no speaker input, background control doubles as a 600 watt light dimmer. All parts included. AC.

28 B 171. Shpg. wt. 2 lbs. **14.95**

Science Fair exclusive, versatile Motor Speed Control and Light Dimmer Kit



NEW FOR '71 **9⁹⁵**

Controls fan, blender and recorder motors

- Handles 600 watts of lighting as a dimmer
- The only device that controls AC-only motors

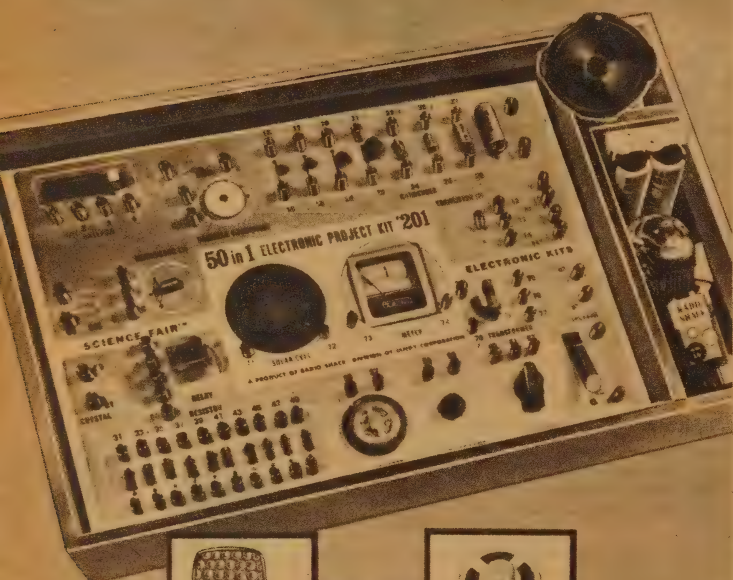
It's the only device we've seen that controls AC-only motors such as fan, blender, recorder and changer motors as well as the AC/DC power tool type. Handles up to 6 amp motor or 600 watts of lighting as a light dimmer. Grounded (3 wire) output and plug for complete safety on 117 VAC. Perfect for power drills, saws, sander, and grinders. Uses space age quadrac. Easy to build with excellent comprehensive manual.

28 B 170. Shpg. wt. 2 lbs. **9.95**

SCIENCE FAIR

HOBBY KITS

Construct your own working projects with
these Electronics Experimenter's Kits

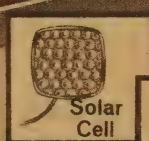


50-in-1 Kit gives skill and understanding in electronics

- Vividly exhibits scientific law
- Fascinating learning method

56-page detailed manual tells you in words and illustrations how to perform 50 experiments in the fundamentals of electricity and their application. Everything you'll need to learn and demonstrate the theory and practice of modern electronics fitted in a hardwood case—including batteries. Spring clips allow solderless connections so experiments can easily be constructed and dismantled. Lets you perform the same experiments that led to Georg Ohm's formulation of basic laws of electricity. Construct germanium and transistor radios, a radio telegraph, home broadcaster, photometer, amplifier, water purity indicator, 15 separate solar and solar energy experiments and others. Use the knowledge you've acquired to construct on your own more advanced experiments. Size, 17 1/2 x 11 x 2 1/2".

28 B 201 X. Shpg. wt. 5 lbs.17.95



Solar Cell



Transformer



PM Speaker



Meter

17.95

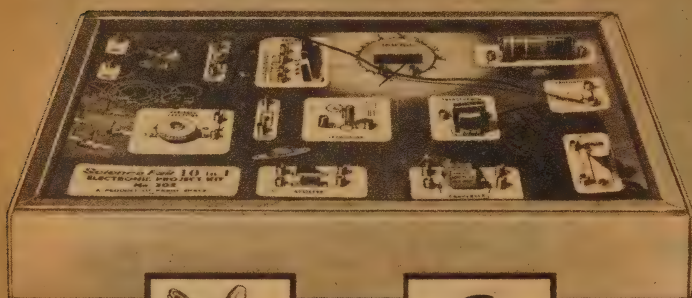
10-in-1 Lab Kit gives priceless basic training

- Experiments easily set-up
- Solar and battery power sources

Fine for beginners of all ages. Build a transistor radio, low frequency oscillator, transistor amplifier, code practice oscillators for two, home broadcasting station and more. Use conventional power from battery or solar energy from the sun with solar cell. Easy-to-follow illustrated manual. All needed parts are included for ten experiments and others that you can develop yourself. Parts are numbered for quick, positive identification. Springclip terminals for simplified wiring and easy connection-disconnection of projects.

28 B 202. Shpg. wt. 5 lbs.7.95

23 B 468. 1 1/2 Volt "AA" Battery.... Each 10



Earphone



Transformer



Solar Cell



Transistor

7.95

"D" Cell Battery Kit



125

- For ages 7-16
- Build live batteries

Demonstrates simple electro-chemical reaction with working batteries assembled by the youngster. Suitable for ages 7-16 to discover a basic application of a scientific law by making two Radio Shack "D" cells.

28 B 125. Shpg. wt. 2 lbs.1.49

Hobby Kits make science an exciting and fun treat for anyone—youngster or adult

SCIENCE FAIR

HOBBY KITS

Accurate Computer Kit

does all your figuring for you

- Performs complex mathematics
- A true computer—not a toy

A simple yet accurate way to perform difficult operations in multiplication, division, square and cube roots, logarithmic functions and reciprocals. Makes easier everyday calculations such as figuring gasoline consumption, grocery prices per unit, average daily expenses, vacation-travel expenditures and other consumer and living costs. Provides anyone with a comprehension of computer technology and an understanding of the simple principles on which it is based. An educational tool for learning youngsters and adults that serves a further practical use in everyday living. You build it by following our detailed instructions. Comes with all you need: full-range dual-sensitivity meter, interchangeable scales, transistors, potentiometer and all hardware. Molded plastic housing. 28 B 180 X. Shpg. wt. 6 lbs.14.95
23 B 464. 9V Battery (1 Required).....35¢



14⁹⁵

Unlimited uses

Schoolwork problems
Budget expenses
Automobile costs
Guards your buyer's dollar
Time-distance problems
Log functions

Fifteen-note Electronic Organ

plays almost any melody

- Songbook included
- Solderless construction

You can quickly build your own 15-note electronic organ with this Science Fair kit. Gives real training in the basics of music. Plays natural major scale through two octaves—more than enough for almost any melody. Spring clip assembly allows simple solderless connections. All parts, including speaker and batteries, come ready to be assembled and fitted into hardwood case. Detailed illustrated step-by-step manual, printed assembly board and pre-cut wires all make your kit as easy as possible to construct. Tuning control adjusts to true pitch. First song book of well-known melodies included.

28 B 215. Shpg. wt. 4 lbs.8.95



8⁹⁵

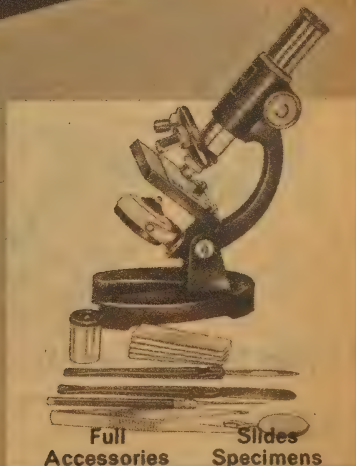
600X Microscope Kit opens your eyes to a tiny realm

- Complete outfit
- Self-illuminated

Discover in a drop of pond water a new world of awesome exploration. See the life from which sprang all life. Microscope kit offers 100X to 600X magnification from two ocular and three subjective lenses. Battery-powered illumination obsoletes clumsy mirror system and dependency on outside light sources. Accessories include: hand magnifier, tweezers, dissecting needles, spatula, 2 prepared slides, 5 blank slides, 5 slide covers, labels and chemicals.

28 B 208 X. Shpg. wt. 2 lbs.12.95
23 B 468. "AA" 1 1/2-V. Batt. (req. 2) Each 10¢

12⁹⁵



Full Accessories Slides Specimens

Radio Shack has what you need for fun in science and electronics

Science Fair™ amazing Inst-a-Plate

A revolution in the art of restoring, protecting and glamorizing metal leads the way to instant beauty and instant savings

- Plates with genuine gold, silver or copper
- Uses safe non-toxic electrolytic process
- No special skills or knowledge required

Science Fair Inst-a-Plate is a low-cost complete kit of devices, fluids, cleansers, dishes and battery power pack that makes it easy for anyone to plate metals, base or coated, any size or shape, with a coating of real silver, copper, or 24K gold. These are not paints or synthetic colors but the pure metal itself.

Plating is electrolytically deposited on metal surface; uses no expensive and toxic acid baths and requires no technical knowledge or skills to produce stunningly beautiful results. You get a perfect layer as dense as required and save money because you do it yourself.

28 B 203. Inst-a-Plate Set. Shpg. wt. 4 lbs.15.95

Replacement fluids in leak-proof, color-coded 100cc (3½ oz.) bottles capable of covering at least 10 sq. ft. of surface.

28 B 210. Inst-a-Plate 24K Gold Electrolyte. Wt. 3 oz.4.95

28 B 211. Inst-a-Plate Silver Electrolyte. Wt. 3 oz.2.95

28 B 212. Inst-a-Plate Copper Electrolyte. Wt. 3 oz.1.95

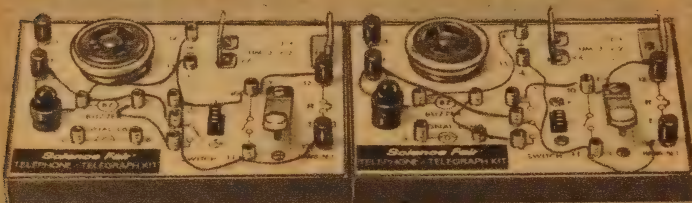
15⁹⁵



Everything you need complete in one box



2-Set, 2-way Telephone/Telegraph Kit saves you time and steps



A kit that's both instructive and useful... from Science Fair

9⁹⁵

Build and install your own private telephone system! Lets you communicate with the house next door or between rooms in your own home. Use it to connect basement and living room, kitchen and garage, or bedroom and kitchen. A fun-to-build kit that not only is instructive but could save you hours of time and many thousands of steps over the next year. And if anything ever wears out, you can repair it because you built it! Uses circuits practically identical to real telephone systems: a telephone voice circuit coupled with a signaling circuit that can be wired to

operate either lights or buzzers. Complete kit includes 20 ft. of multiple-conductor connecting cable, two comfortably-light weight telephone handsets and two complete plastic chases that utilize special solderless connections for quick and easy assembly. Detailed, step-by-step instructions with full diagrams assure accurate construction and correct operation the first time you use it. Uses a safe, low voltage.

28 B 242 X. Shpg. wt. 2 lbs.14.95

23 B 468, "AA" Battery. (Requires 4.) Wt. 2 oz.Each



4⁹⁵

Build this great 4-way Alarm System Kit!

This easy-to-build kit can help you protect your home! Highly audible alarm can be tripped four different ways.

28 B 240. Shpg. wt. 1 lb.4.95



9-piece Tool Set

Perfect for kit builders, this complete set of tools contains everything you really need for most electronic construction.

Includes a high-quality soldering iron of the 30-watt power best for delicate printed circuit boards and solid-state components. All-purpose soldering aid, solder, and protective heat sink insure best soldering results.

Has one pair of diagonal cutters, one pair of heavy-duty long-nose pliers, three screwdrivers including one Phillips and one with convenient built-in wire stripper. Wt. 1 lb. 64 B 2800.

5⁹⁹ Includes most useful tools

Science Fair™ . . . America's favorite hobby kits!

Each Science Fair kit is designed to be built quickly and easily and let you learn about electronics as you do it. Professional educators help write the instructions to teach both basic theory and circuit applications.

The entire package is useful: the clear-top cover becomes the "bottom" and the bottom becomes the perforated board chassis "top." The result: a handsome educational product with real utility, at amazingly low cost. Allied Radio Shack calls it the P-Box.



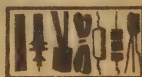
Amazing space-age-material "P-Box" withstands soldering without damage

With the P-Box's remarkable new material, you can use the direct heat and pressure of a soldering iron to cleanly cut any size opening. Permits remounting of parts and circuit changes. Add to or change Science Fair kits at will!



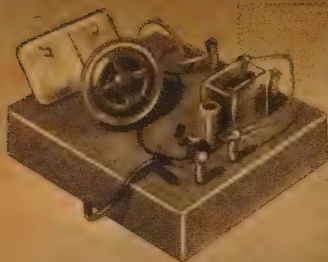
Each kit is complete—no extras to buy!

Everything you need in one box!



All necessary parts, detailed pictorials and schematic diagrams are included with each kit. Kits are designed with practical, straight-forward circuits and are supplied with quality components to insure top performance and lasting operation.

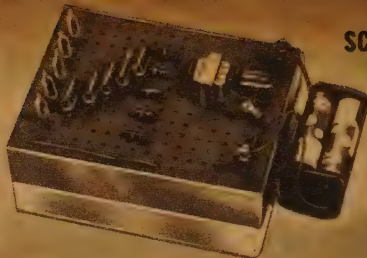
Turn to next page for a complete listing of Science Fair "P-Box" Kits



SCIENCE FAIR
Moisture-Detector
Relay Kit

4⁹⁵

Relay-actuated switch sounds an alarm if ANY moisture touches pickup. Rain detector, etc. Burglar alarm—human hand moisture will trigger alarm. Uses four $1\frac{1}{2}$ V "AA" batts*. 28 B 132. Shpg. wt. 1 lb. 4.95

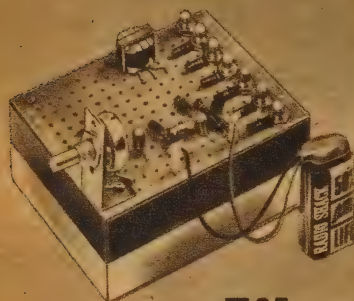


SCIENCE FAIR
"Goofylite"
Kit

5⁹⁵

First safe, low-voltage neon lamp flasher. Works on 6 V. Fires 5 lamps either at random or in sequence. Uses 4 $1\frac{1}{2}$ V "AA"; 4 $1\frac{1}{2}$ V "AA" Alkaline, or one 6 V Lantern battery. 28 B 130. Shpg. wt. 1 lb. 5.95

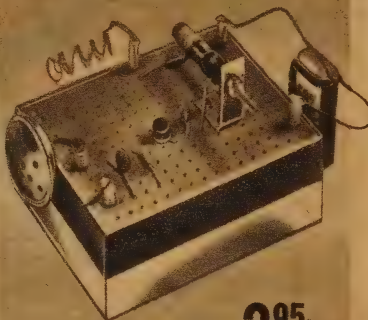
SCIENCE FAIR seven-note
Electronic Organ Kit



5⁹⁵

Imagine! Playing an electronic organ you constructed yourself. Plays the seven natural notes (A thru G), no flats or sharps, to enable you to actually play tunes. Even has push-button switches. Variable tuning. 28 B 101. Shpg. wt. 1 lb. 5.95

SCIENCE FAIR Wireless AM
Transmitting Station Kit



3⁹⁵

Build your own transmitting station. Broadcast to any AM radio up to 20 feet away. Mike included. Introduction to solid state theory and practice. Uses one 9V rectangular battery*. Easy-to-follow directions. 28 B 103. Shpg. wt. 1 lb. 3.95

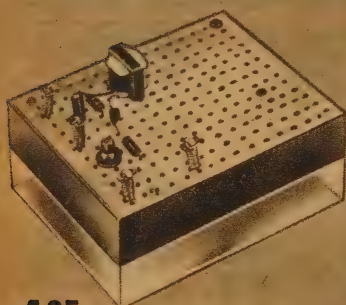
SCIENCE FAIR 2-way
Code Oscillator Kit



3⁹⁵

Learn Morse Code the easy, fun way. Complete with speaker and code guide. Can be connected for two-way transmission with another person. Uses 4 $1\frac{1}{2}$ V "AA" batteries*. Easy-to-follow instructions. 28 B 105. Shpg. wt. 1 lb. 3.95

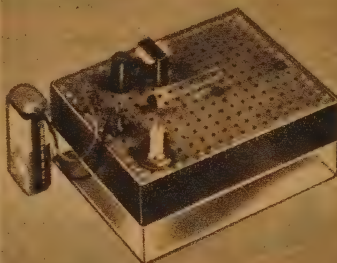
SCIENCE FAIR super-
sensitive Fire Alarm Kit



4⁹⁵

Protect your home and know it's protected against fire by building your own fire alarm system. You hear a shrill alarm up to 100 yards if temperature rises above 120° F. Complete with sensor, test switch. Uses one 9V Rectangular battery*. 28 B 117. Shpg. wt. 1 lb. 4.95

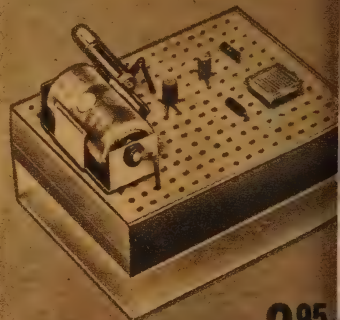
SCIENCE FAIR adjustable
electronic Metronome Kit



3⁹⁵

Produces a steady beat (click) electronically and continuously adjustable to any musical range from "Largo" to "Presto." Uses one 9V Rectangular battery*. Helpful for your music lessons, conducting a symphonic record, etc. Shpg. wt. 1 lb. 3.95

SCIENCE FAIR Photo
Nite Lite Kit



3⁹⁵

Offers protection when you're away from home, makes a good burglar deterrent. Turns on a light automatically when room becomes dark. Fully self-contained unit has light & battery holder. Uses a single $1\frac{1}{2}$ V "C" battery*. Shpg. wt. 1 lb. 3.95



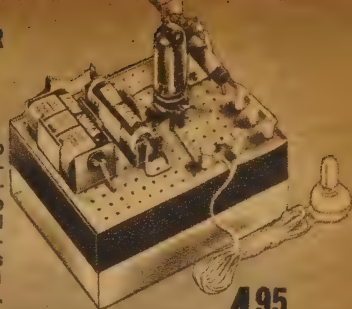
SCIENCE FAIR AM 2-transistor Radio Kit

Build your own solid-state AM broadcast-band radio in an hour! Easy assembly. Can be used as a tuner... covers 540 to 1600 kHz. All parts and easy-to-follow instructions. Uses one 9V Rectangular battery*. Wt. 1 lb. 28 B 102.....3.95

3⁹⁵

SCIENCE FAIR one-tube DC Radio Kit

A real working radio that tunes entire 540-1600 kHz AM band. Includes tube, earphone for private listening, all parts and easy-to-follow instructions. Uses 1 1½V "AA" and 1 22½V "B" battery*. Shpg. wt. 1 lb. 28 B 100.....4.95



4⁹⁵

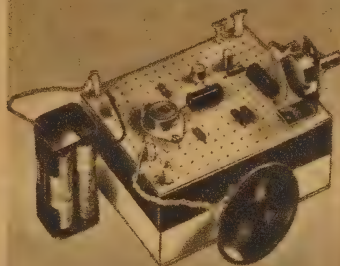
SCIENCE FAIR AC/DC Power Supply Kit



6⁹⁵

ally save money and eliminate batteries with this AC/DC power supply kit. Use Science Fair kits or any 6V to 9V object. Completely safe... no danger of electrical shock. Also recharges old batteries. Includes AC line cord. 28 B 104. Shpg. wt. 1 lb.....6.95

SCIENCE FAIR "OTL" Mono Amplifier Kit



4⁹⁵

Make listening pleasure come alive... hear hi-fi sound from tuners, mikes and phono cartridges. Clean, powerful transformerless output. Power speaker of 3.2 to 8 ohms. Uses 4 1½V "AA" batts*. 28 B 106. Shpg. wt. 1 lb.....4.95

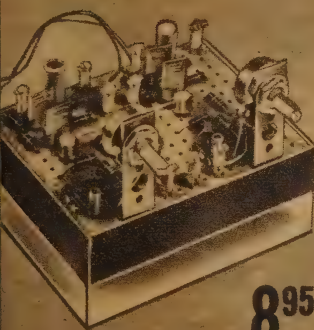
SCIENCE FAIR ear-piercing "Rise-fall" Siren Kit



5⁹⁵

Very loud automatic "rise-fall" sound—just like a police siren. "Panic button." External speaker. Uses 4 1½V "AA," 1 6V Lantern (normal use) or 1 6V Lantern (heavy use) battery*. 28 B 107. Shpg. wt. 1 lb.....5.95 270 B 383. Batt. clip for above....45c

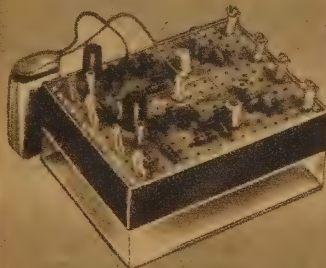
SCIENCE FAIR OTL Stereo Amplifier Kit



8⁹⁵

able of output up to 2 watts per channel when driven by a stereo cartridge or stereo tuner. 50 Hz to almost 20 kHz frequency response. Very low harmonic distortion. Use with stereo magnetic cartridge preamplifier or as a dual channel amplifier. Use 1 9V battery*. 28 B 113. Shpg. wt. 1 lb.....8.95

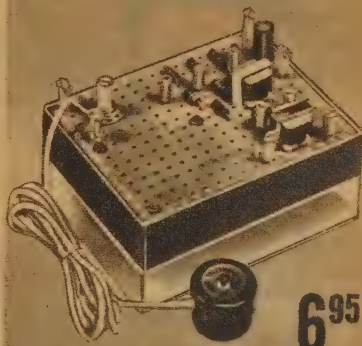
SCIENCE FAIR Stereo Preamplifier Kit



7⁹⁵

Use with OTL amplifier at left to build complete system. Ideal as guitar pre-amplifier or mike mixer. 2.8V output with excellent equalization. Use with stereo amplifier for increased fidelity. Uses one 9V battery*. 28 B 114. Shpg. wt. 1 lb.....7.95

SCIENCE FAIR Telephone Amplifier Kit with speaker



6⁹⁵

Hear both sides of a telephone conversation through the built-in speaker. Perfect for family and conference calls. Suction cup magnetic pickup included. Uses one 9V rectangular battery*. Also an aid for the hard-of-hearing. 28 B 116. Shpg. wt. 1 lb.....8.95

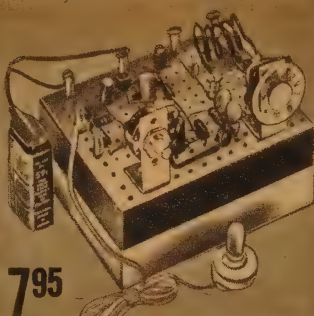
Science Fair FM wireless Mike Kit



6⁹⁵

"Broadcast" through this transmitter to any FM radio tuning 88-108 MHz. Range, up to 200'; Response, 50-10,000 Hz. Requires 9V battery.
28 B 109. Wt. 1 lb. 6.95

Science Fair SW Radio Kit



7⁹⁵

Tune in cities around the world. Powered by regenerative hi-gain detector with 2 audio amp. stages. With crystal earphone. Req. 9 V batt.
28 B 110. Shpg. wt. 1 lb. 7.95

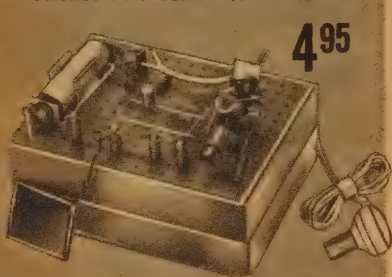
Science Fair WWV Converter Kit



5⁹⁵

Get radio station WWV world standard time on your AM radio. No wires to connect—just place near radio. Crystal control. 10 MHz. Req. 9V batt.
28 B 133. Shpg. wt. 1 lb. 5.95

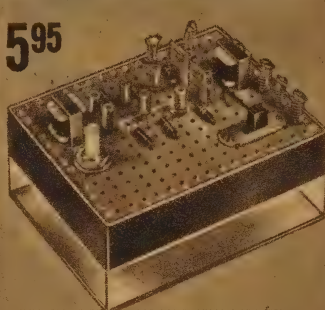
Science Fair Solar-Cell Radio Kit



4⁹⁵

An AM radio powered by sunlight or lamp (also uses "AA" batt.). With solar cell, earphone, batt. holder.
28 B 129. Shpg. wt. 1 lb. 4.95

Science Fair Intercom Kit



5⁹⁵

Pair-a-phase amplifier for building 2-way intercom. With volume control, talk-switch. Req. 9V battery.
28 B 127. Shpg. wt. 1 lb. 5.95

Science Fair Alarm Kit

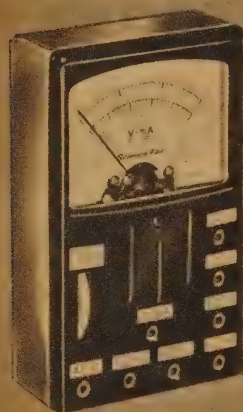


4⁹⁵

Perfect burglar or door alarm

Produces audible alarm when a light source is broken. Works day or night. Req. four "AA" batteries.
28 B 128. Shpg. wt. 1 lb. 4.95

Science Fair all-purpose VOM electronic Meter Kit

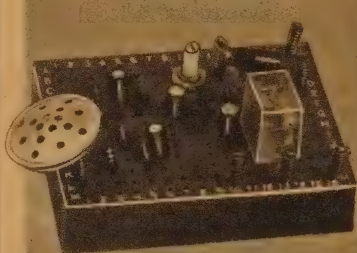


6⁹⁵

Measures current, voltage, resistance

Build your own all-purpose electronic tester at low cost. Measures AC and DC volts; DC current and ohms. Complete with instructions, operation and theory manual. Battery and test leads included.
28 B 122. Shpg. wt. 1 lb. 6.95

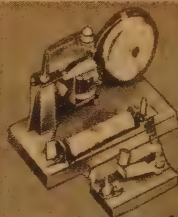
Science Fair voice-controlled "Vox Box" Relay Kit



6⁹⁵

Turns "On"/"Off" at sound of your voice .. ideal for musicians

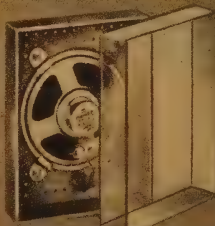
Fascinating "Vox" kit at a low price. YOUR voice controls a relay. Perfect for turning on a tape recorder just when sound is present—and it turns off automatically three seconds after sound stops. Also for CB, controlling lights, alarm, etc. With DPST relay, sensitivity control. Req. 9V batt.
28 B 131. Shpg. wt. 1 lb. 6.95



Science Fair Bell/Buzzer Code Key Kit

1⁴⁹

Learn the theory of electro-magnetism, multivibration and current flow. You make a bell, buzzer and a Morse Code practice unit. Req. 1½V "AA" batteries.
28 B 112. Shpg. wt. 1 lb. 1.49



Science Fair extension Speaker Kit

1⁹⁵

Works with 8-ohm audio output. cable incl. For intercom, amp, other kits. P-Box® becomes speaker cabinet.
28 B 123. Shpg. wt. 1 lb. 1.95

Kits and Games make leisure time more fun, more productive!

Battery-powered AM Radio Broadcaster Kit




9⁹⁵

Puts you "on the air" in your very own home

Radio Broadcaster Kit contains everything for at-home broadcasts. You get microphone, professional headphones, loudspeaker, antenna. Can also be used as an AM receiver. eg. 3 "C" batts. Incl. station tuner, instructions.

60 B 2276 X. Shpg. wt. 5 lbs. **9.95**

Forecast changes! Weather Station Kit



4⁹⁵

Learn as you build!

Learn meteorology as you chart storms, weather fronts. You get everything needed to build an anemometer, humidity gauge, weather vane, calculate wind speed, precipitation.

60 B 2267 X. Shpg. wt. 2 lbs. **4.95**

Transistorized Telephone Amplifier Kit



5⁹⁹

Imagine the fun, the convenience of using this telephone amplifier. Allows anyone in the room to talk or listen to conversations—and you built it yourself! Useful kit includes amplifier, speaker, volume control and molded cabinet.

60 B 2270. Shpg. wt. 1 lb. **5.99**

60 B 464. 9-V Battery. 3 oz. **35¢**

Convenient Credit terms to fit every budget . . see page 331



2⁹⁹

Exciting "Apollo" Moon Rocket soars 100 feet into space

- Includes rocket, pad, release cord, fuel, manual and more
- Can be used over and over

Specially purchased by Allied Radio Shack for extra leisure-time value! Rocket measures almost 10" long. Soars up to 100 feet and is ready for flight-after-flight. Includes authentically detailed rocket, remote pad and release cord, fuel, oxidizer, measuring tank, pivot pin, launch manual. Engineered by missilemen and tested at Cape Kennedy. Completely safe to handle. Try this countdown to space-age adventure. Whoosh ... fly me to the moon!

60 B 3070 X. Shpg. wt. 3 lbs. **2.99**

"Fascination" Electric Maze Game




3⁹⁵

Fun for two and two games in one

A pair of delightful mazes that will challenge anyone. Fun for the entire family or can be played alone. First to light up the center pylon wins. Safe—requires 2 "C" batteries.

60 B 2278 X. Shpg. wt. 2 lbs. **3.95**

Beginner's Crystal AM Radio Kit



4⁹⁵

Teaches the fundamentals of radio

Construct a radio like those used in the early days of broadcasting. Covers 540-1600 kHz. Includes high-impact cabinet, headphones, tuning coil, sensitive fixed crystal and all other parts. No batteries needed and no soldering required.

60 B 2263 X. Shpg. wt. 2 lbs. **4.95**

How about a little "Travelin' Music" in your car?

Buy this Realistic STEREO-FM Radio for less than factory-installed mono FM!



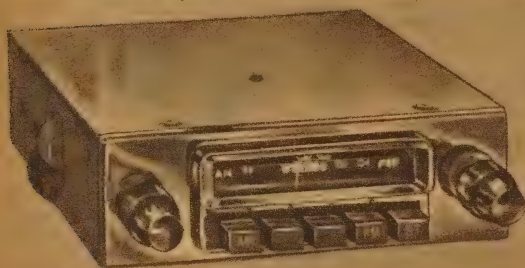
New for '71. Imagine the luxury of having this deluxe-feature stereo radio in your car—and at an amazingly low price! In fact, this stereo FM radio costs less than you would expect to pay for many factory-installed AM radios alone. Boasts handsome styling and a full array of convenience features, too.

Thumbwheel controls for volume, tone and tuning are recessed for on-the-move safety and accessibility. Exclusive Glide-Path™ balance control lets you adjust stereo for best effect. A beacon lights to signal station broadcasting in stereo. There's also a stereo/mono mode switch and smooth slide-rule dial for further tuning ease. With all hardware and instructions. 12 VDC. Order speakers on page 140. 12 B 1358. Shpg. wt. 3 1/2 lbs. 73.00

73⁰⁰

- Thumbwheel controls for volume, tone, tuning, plus gliding balance control
- Beacon light indicates stereo broadcast

Space-saving Tenna Car Radio tunes Stereo FM and AM with pushbutton convenience



Model R-12PBX. Enjoy concert-hall fidelity on stereo FM with this compact, full-feature car radio. Delivers clear, sensitive AM reception, too. Five pushbuttons let you select your favorite stereo/monophonic FM or AM stations with fingertip ease. Here's the sound choice for the music lover with a compact car. Space-age design, incorporating solid-state circuitry, make this Tenna model perform like the bigger radios—but with space-saving, dependable difference. You get mile-after-mile of cool-running, smooth-sounding pleasure. And famous Tenna reliability is enhanced by a full complement of controls for your tuning convenience.

Stereo indicator automatically lights to show you FM station broadcasting in stereo. Volume, balance and tone controls let you adjust the sound quality to suit your tastes precisely. The built-in stereo amplifier pours out 10 watts of musical power—enough to satisfy any on-the-move audio fan. Wide-range frequency response of 50-10,000 Hz. Custom mounts in or under the dash. For any car, truck or boat with 12 VDC negative ground. Car speakers are not included (see page 140 for our complete selection).

12 B 6021 X. Shpg. wt. 10 lbs. 129.95

129⁹⁵

- Delivers sensitive, static-free FM, plus clear, wideband AM
- Full 10-watt power output

Deluxe pushbutton FM-AM Car Radio with oversize 5x7" speaker



69⁹⁵

- AFC for drift-free FM
- For all 12 VDC systems

Automatic Radio. Provides full-fidelity FM reception, plus excellent AM. Sensitive 11-transistor circuit. Push-pull output delivers car-filling sound without distortion. AFC on FM. Volume and tone controls. Big 5x7" speaker. Mounts under dash in all cars or in dash in some autos. Hardware and instructions incl. 2x7x7". For 12 VDC pos. or neg. gnd. 12 B 6025 X. Shpg. wt. 10 lbs. 69.95

Sensational value! Realistic universal AM Radio mounts in or under your dash



19⁹⁵

Dependable all solid-state radio at a low, low price!

Just think of it—a compact, superhet car radio AT LESS THAN \$20. This excellent performer features a high gain circuit with 7 tuned stages and supersensitive 3-gar tuner. Has a built-in 4" speaker for fine sound; bass and treble controls for personalized adjustment. All mounting hardware, instructions included. Only 6 1/2 x 2 x 5". 12 VDC. 12 B 1349. Shpg. wt. 2 lbs. 19.95

Custom and universal-mount Radios for your car

Custom-mount solid-state FM-AM Radio for Volkswagens . . by Automatic Radio

Great value! Add FM and AM reception to your Volkswagen at a price well below that of dealer-installed VW radios. Mounts perfectly in dash of Volkswagen sedans. Features five easy-to-set pushbuttons—three for presetting your favorite AM stations; two for presetting FM broadcasts. Manual control tunes in seldom-used stations. Long-life solid-state design. Plays the instant you turn it on—no waiting for tubes to warm up. Eleven transistor circuit and seven tuned stages, plus an RF stage for long-range reception.

Deluxe quality radio has Automatic Frequency Control (AFC) to cut drift on FM. Continuous variable tone control for rich lows, clear highs. Built-in 6-inch speaker provides fine sound quality. Select below for 1958-1967 models or 1968-1970 models. Includes all hardware and easy-to-follow mounting instructions. For 6 or 12 VDC. Shpg. wt. 9 lbs.

12 B 6024 X. For 1968-1970 Models 69.95
12 B 6023 X. For 1958-1967 Models 69.95



69⁹⁵

Select from two models for perfect dash mounting in 1958-1970 sedans

Deluxe solid-state AM Radio for custom installation in 1958-1970 Volkswagens



Manual

29⁹⁵



Add the wonderful world of AM programming to your Volkswagen. Fits perfectly in dash and is priced below dealer-installed VW radios. Five easy-to-set pushbuttons. Variable tone control and 5-in. speaker. For 6 or 12 VDC negative ground.

12 B 6019 X. Shpg. wt. 7 1/2 lbs. 39.95

AM Radio with Manual Tuning for 1958-1970 Model Volkswagens. (Not illus.) 7 transistors, 2 diodes. 5-in. speaker.

12 B 6020 X. Shpg. wt. 7 1/2 lbs. 29.95

Pushbutton AM Radio for custom dash mounting in 1968-1970 Volkswagens



39⁹⁵



This radio installs in all 1968, 1969 and 1970 1300 Series VW's. Performs like high-priced sets that are dealer-installed, yet sells for less. Instant-play solid-state design has 7 transistors for high sensitivity and selectivity. Pushbuttons for presetting your 5 favorite AM stations. Also has manual tuning. Continuously variable tone control for clear, full-range sound. Built-in 6-inch speaker. Fits perfectly in dash of the Volkswagen 1300 Series models. For 12 VDC.

12 B 6026 X. Shpg. wt. 7 1/2 lbs. 39.95

Slimline-design solid-state FM Radio-Tuner by Ranger



39⁹⁵

Handsome custom-look design with walnut vinyl inserts

Enjoy hi-fi FM broadcasts with the addition of this tuner to your present AM car radio. Solid-state circuit has 6 transistors and 8 diodes. AFC locks in FM stations for drift-free reception. Unique mounting design permits built-in look, and interchangeable walnut and black vinyl inserts add to custom appearance. 1 1/2"x9x4 1/2". For 12 VDC negative ground.

12 B 6022. Shpg. wt. 4 lbs. 39.95

Realistic FM Car Radio Tuner at a budget-pleasing low price



29⁹⁵

Features AM-FM switch for instant band selection

Now Allied Radio Shack makes FM reception inexpensive with this car converter. Works with your present AM car radio to pull-in clear, distortion-free FM. Automatic Frequency Control eliminates drift. Solid-state design has 15 tuned circuits and a 3-gang tuner. Installs easily under-the-dash. All hardware and instructions incl. 1 1/2"x7x3 1/2". 12 VDC neg. gnd.

12 B 1332. Shpg. wt. 4 lbs. 29.95

Convenient credit terms to fit every budget

Auto Reverbs give an exciting new dimension to car radio or tape player

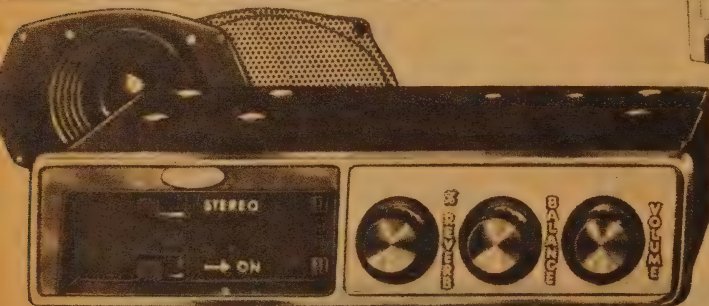


Realistic value-priced tunable car Radio Reverb

19⁹⁵

- Includes 6x9" Speaker and Grill
- Enhances depth of car radio sound
- Balance control to "center" speaker

Two controls provide infinite sound combinations. Reproduces sound the way you like it—with depth from front to rear. Adjustable delay control varies the amount of reverberation. Balance control to "center" speaker output in any car. Just pull knob to turn on and the reverb will come to life immediately. Pilot light. Easily installed in any 12-volt negative ground car. Very attractive and neat in appearance. Set mounts under dash, connects to your car radio. Dual-spring design with tunable control gives complete command of stereo-like sound. 7 1/2 x 5 1/4 x 1 1/4". 12 B 1334. Shpg. wt. 2 lbs. **19.95**



Allied deluxe solid-state car Stereo Reverb System

32⁹⁵

- Enhances stereo tape player or stereo FM radio
- Reverb control for adjusting effect
- Very attractive and compact for easy car use

Mixes sound from each channel, delays it through rear speaker. Volume, balance, Reverberation controls pilot lights for "On" and "Stereo." Adds extra dimension to any car stereo tape player or stereo FM radio—modernize your stereo equipment. Available with or without speaker. Very easy to install in your car. Mounts under the dashboard for easy reach. Modern styling in beautiful walnut and bright aluminum. Measures 1 1/2 x 8 x 5 1/4". With 6" speaker on 6x9" adapter board, grill. 12 VDC negative ground. 12 B 5027. Shpg. wt. 6 lbs. **32.95**

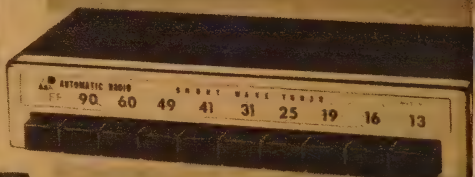


Realistic miniature solid-state Reverb gives big performance, takes up little space under the dash

12⁹⁵

Delivers concert-hall sound despite its small size. Use with your existing rear deck speaker system. Handy push-pull volume, fader control and pilot light. Sleek styling in walnut and satin aluminum. For any 12-volt negative gnd. car. 6 1/2 x 3 3/4 x 1 1/4". 12 B 1333. Shpg. wt. 1 1/2 lbs. **12.95**
40 B 1212. 6x9" Rear Speaker. 1/2 lb. **3.20**
40 B 1174. 6x9" Speaker Grill. 1/2 lb. **1.19**

Pushbutton Shortwave Tuner tunes 3.1-22 MHz in 9 bands .. plays through AM car radio



29⁹⁵

- Plug-in hookup
- No rewiring
- Solid-state

Receive shortwave in your car. Solid-state tuner pulls in European radio, Voice of America, more. Pushbuttons select 90, 60, 49, 41, 31, 25, 19, 16 and 13 meters. Listen to the wide variety of news, music and dramatic programs from overseas. A complete shortwave tuner made especially for automobile use.

Easy to install and operate. Tune your AM radio to "10," select desired band, then tune with your regular radio. Plugs into antenna socket of AM radio, uses its standard antenna—no rewiring!

Very compact and attractive, perfect for any type of automobile. Mounts under the dashboard, makes it easy to reach. 1 1/4 x 8 1/2 x 3 1/4". 6 or 12 VDC negative/positive ground. An exciting and practical accessory... enjoy shortwave entertainment in your car as well as your home. 12 B 0027. Shpg. wt. 3 1/2 lbs. **29.95**

Realistic Car Speakers and Grills at low prices

Rear-deck chrome Grill



119

as holes punched for any 6x9" rear deck speaker. Satin-chromed steel. Size, 5 1/2"x9".
40 B 1174. Wt. 1/2 lb. 1.19

Convenient Fader Control



99¢

a to control front and/or rear speakers' volume.
40 B 550. Wt. 1/2 lb. 99¢

Universal Speaker



795

6x9" wide-range speaker for radio, reverb or back seat. Hi-frequency cone. 10, 20, 40 ohms.
40 B 1268. Wt. 2 lbs. 7.95

Automobile speaker Switch



99¢

Three-position control—front, rear or both. 2 3/4"x1 1/2".
40 B 540. Wt. 1/2 lb. 99¢

Low-priced Speaker Kits



Low as
439

place that old speaker or add an extra one with these speaker kits. Choose 6x9" or 5x7". 3.4 ohms. With fader control and metal grille.
40 B 299. 6x9". Shpg. wt. 2 lbs. 4.79
40 B 300. 5x7". Shpg. wt. 2 lbs. 4.39

Utah 6x9" 2-way Rear Deck car speaker system . . full-tone sound

1295 • Has 3" tweeter
• Fader control
• Chrome grill



Big 6x9" woofer with 6-oz. magnet for rich powerful bass. Built-in 3" tweeter. 10, 20, or 40 ohms. 15 watts. Depth, 3". Screw terminals. Fader control, hardware, wire.
40 B 6547. Wt. 2 1/2 lbs. 12.95

Realistic high-power universal 6x9" wide-range Rear Deck Speaker

995 • Ideal for reverbs
• Fader control
• Chrome grill



Speaker with 5.5-oz. ceramic magnet provides bass sound, cone for extended high frequencies. Deluxe, buffed chrome-plated grille. 6x9".
40 B 1222. Wt. 4 1/2 lbs. 9.95

Realistic easy-to-install 6x9" Speaker kit for transistor radios

• Chrome grill
• For '63-'70 cars

599



Mounting hardware, instructions. Multi-impedance.
40 B 1233. Wt. 3 lbs. 5.99

Realistic low-cost Antennas for any car or truck

Flexible spring Antenna

99 • 48" cable
• 3 sections

adjusts up to 90° for front or side mounting. Stainless steel spring. 54".
40 B 1307. 1 lb. 2.99



Vandal-proof Antenna

319 • Mounts on cowl

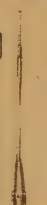
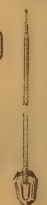
Concealed when collapsed. Pulls out with key. 48" cable. 3 sections, extends to 29".
12 B 1310. 1 lb. 3.19



A

B

C



A

Univ. "8 ball" top cowl. 12 B 1306. Wt. 1 lb. 1.99

B

Chrome side cowl. 3 sect. 12 B 1308. Wt. 1 lb. 2.99

C

Univ. replacement mast. 12 B 1309. Wt. 1 lb. 1.39

4-section Antenna for any type of car

499 • 57" long
• Adjusts 35°

Realistic super antenna—extra large base for firmer support and more fender coverage. Adjusts to 35° for any fender contour. 4 sections extend to 57" from 18". 54" low-loss heavily shielded cable. Wt. 1 lb.
12 B 1302. 4.99



Elliptical shape M-AM Antenna

99 • Cuts wind noise

elliptical shape eliminates wind noise. 3 sections extend from 18" to 46 1/2". Copper shielded 48" cable.
40 B 1303. 1 lb. 2.99



Custom Volkswagen Antenna

269 For '67, '68 and '69 VWs

Fits the prepunched hole on '67, '68, '69 VWs. 3 sections extend 15" to 38". Top cowl mount. 48" lead cable.
12 B 1304. 1 lb. 2.69



Antenna extension Cables
12 B 1312. 24" extension . . . 79¢
12 B 1311. 12' extension . . . 2.49
12 B 1314. 24" male/male connector cable . . . 79¢

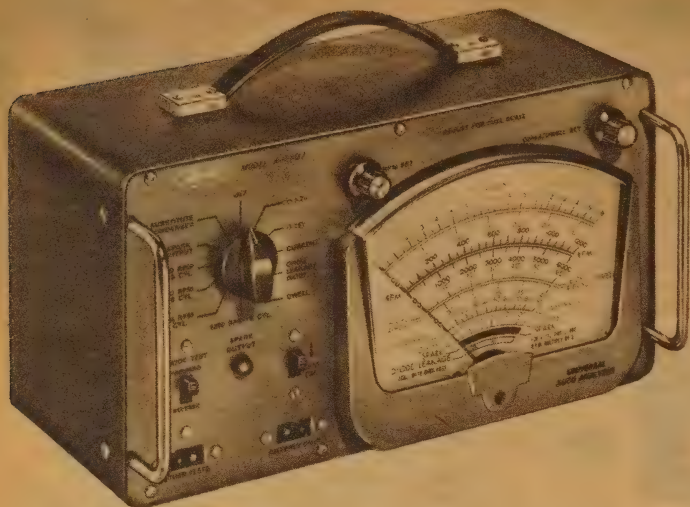
Versatile 3-way antenna Connector

129



Use with stereo systems, tape players, CB rigs, or FM tuners.
12 B 1313. Wt. 1 lb. 1.29

Auto Test Equipment keeps your car at top running efficiency



Allied Universal Auto Analyzer
saves you money on tuneups . .
troubleshooting . . repairs!

*Tachometer, Spark Tester, Dwell
meter, Voltmeter, Ammeter,
Condenser Check . . all in one unit*

59⁹⁵

Allied A-1707. Save hundreds of dollars during the life of your car with Allied's own solid-state battery-powered analyzer. Find exactly what's wrong mechanically with your car and save on expensive diagnostic tests and/or garage repairs. Big 7-inch meter with 10 scales that are protected against damage from up to 7 times full current. Scales read 0-3.2-16 VDC; 0-90 amps; 0-1200-6000 rpm; 0-45°, 0-90°, 0-60° dwell angle; 0-20,000 ohms with 100 ohms at center scale. For 4, 6, 8-cylinder engines, 6 or 12-volt systems. Tachometer scale reads engine rpm, helps you set idling speed and automatic transmission shift points . .

helps you keep your car perfectly timed. Dwell meter tests points, distributor and spark advance to make sure your car firing power is correct. Ammeter checks generator, alternator and voltage regulator to assure that power isn't being drained from the battery. Built-in voltmeter measures battery voltage to any electrical component in car. Ohmmeter measures resistance of condensers and coil and checks continuity of electrical circuits. Function switch, diode test switch. Substitute condenser for checking suspected condensers. 12x5 $\frac{1}{4}$ x6 $\frac{1}{2}$ ". **22 B 5000 X.** Shpg. wt. 16 lbs. **59**

Schauer Battery Chargers and Boosters at low prices



24⁹⁵

**Charger with a brain . . automatically
shuts off when battery's fully charged**

6-Amp Model BR-312. Here's the automatic charger that just won't allow the power to drain out when left unattended. Because it automatically shuts itself off when battery is fully charged . . and then a "trickle charge" keeps battery at full capacity. Ammeter so both you and the charger know when the battery is up to full power. Gold-color case. 9 $\frac{3}{4}$ x6x6 $\frac{1}{2}$ ". For 110-130 V, 60 Hz AC. **22 B 6150.** Shpg. wt. 9 lbs. **24.95**



19⁹⁵

**Economy Charger
packed with features**

4-Amp Model C-6612. Charge your battery overnight with this economical charger. 1 for 6 or 12V batteries. 5 hours for charge. Ammeter, there's no guess work . . you know exactly when battery up to full power. Circuit breaker. 7 $\frac{1}{2}$ x4 $\frac{1}{2}$ x5". 115 V, 60 Hz AC. Shpg. wt. 5 lbs. **22 B 6152.** **19.95**



49⁹⁵

**Combination
Battery Charge
and Booster**

Model J-5612. Uses 110 VAC for fast starts of engines with dead battery. 6V battery: 100 amps or more. 12V: 60 amps or more. Charges at 20 amp rate. Automatic circuit breaker. 7 $\frac{1}{2}$ x10 $\frac{1}{2}$ x9 $\frac{1}{2}$ ". With 3 $\frac{1}{2}$ -ft. DC leads., 10-ft. AC cord. **22 B 6151 X.** Shpg. wt. 15 lbs. **49.95**

**A
Charger!**

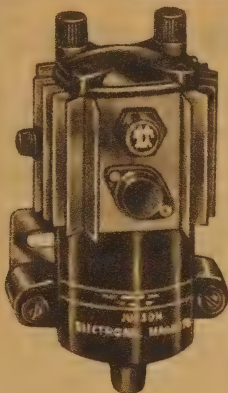
**A
Booster!**

... and could save you hundreds of dollars in repairs

**Judson electronic-magneto
Ignition System . . improves
your car's performance**

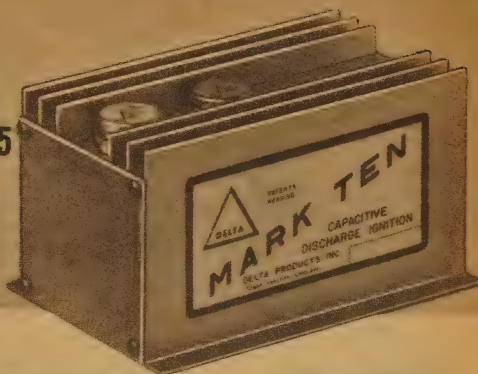
39⁸⁸

- Uses less current than standard ignition
- Gives longer plug and point life
- Faster starts



Performance-proven silicon transistor system gives improved ignition and uses less current. Like the mechanical magneto, voltage increases as engine speed increases, matching ignition requirements of engine. Output waveform is same as a magneto, reducing plug wear and giving hotter spark for greatly improved performance. One-piece unit installs easily, simply transfer 2 wires from present coil. For 6 or 12 V negative ground systems. **22 B 6153. Shpg. wt. 3 1/2 lbs. 39.88**

39⁹⁵



Delta capacitive-discharge Ignition System

"Mark 10." True electronic ignition system for car or boat. Develops 3 to 4 times more energy, with spark rise-time 10 times faster, for complete combustion. Reduces waste, boosts performance, gives easier starts in any weather. Provides up to 20% better gas mileage; 3 to 10 times longer spark plug life; 60 to 80% less ignition maintenance. Silicon Controlled Rectifier switching—unaffected by temperature extremes. After easy assembly, it installs in just 10 minutes, using standard coil—no rewiring! Size: 8x5x4". For 12 volts DC negative ground. **22 B 6154. Shpg. wt. 3 lbs. 39.95**



**Be warned of radar traffic
tones by Radar Sentry**

32⁹⁵



Provides audible warning when triggered by police radar. Alerts you when driving into dangerous area; makes you aware of speed limits for safety. Solid-state circuit powered by two 90-hour mercury batteries (included). Volume control. Only 3 3/8"x3 1/4"; clips to sun visor. Black color. Use may be regulated by state laws.

22 B 6156. Shpg. wt. 1 1/4 lbs. 32.95

32⁹⁵



Uni-Tach Motor Monitor . . use as Tach or Tester

Mount on dash or console. Or use as tune-up tester. Measures: engine rpm, 0-1600—0-6400; dwell angle, 0-45-60°; battery output, 0-16V. Determines point condition, monitors timing. For 4, 6 or 8 cylinders. 6 or 12 VDC pos. or neg. ground. Installs with three connections. Cable, mtg. hardware, plug-in test leads, instructions, tune-up guide, 6 1/2"x3 1/2"x2".

22 B 6155. Shpg. wt. 4 lbs. 32.95



**A Timing Light so
brilliant it can be
used in broad-daylight**

24⁹⁵

- Safe . . shockproof
- No burnout in case of reverse polarity

Use DC-power timing light gives brilliant, blue-white flash checking ignition timing. Safe and easy to use. Triple-plated chrome finish. Operates from 6 or 12V car battery. No burnout in case of reverse polarity. Convenient trigger grip for easy operation. Xenon strob. Leads.

22 B 6158. Shpg. wt. 3 1/2 lbs. 24.95

**Compact hand-held
car engine tester**

24⁹⁵

*Does the job
of more expensive
and larger testers*

Keep your car in top tune with this dual-range dwell/tach/points auto tester. It's the compact hand-held engine tester that does the job of more expensive and larger testers. Easy-to-read 3 1/2" meter. Dual-range tachometer scale, 0-1000 and 0-5000 rpm. For adjusting idling speed, high-speed engine adjustments, properly setting cam angle of points. 0-45°, 0-60° dwell ranges. Resistance scale tells you when points should be replaced. For 4, 6 or 8-cylinder, 4-cycle engines, 6 or 12V systems. Zener regulated. Shpg. wt. 1 lb.

22 B 6157. 24.95



Micronta Timers, Stop Watches, Counters

All-purpose portable 24-hour Timer

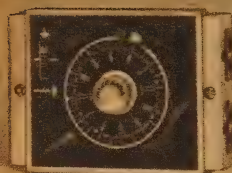


Large 24 hour
dial has single
On and Off
control

795

- Turns appliances on at time you select—turns them off 15 minutes to 23 hours later
- Repeats in 24 hours without resetting

Portable all-purpose timer turns lights and appliances On and Off automatically. Performs dozens of jobs around home or office. Use it to start your washer, brew your morning coffee, light up your store window, turn on lights in the evening to discourage prowlers while you're away. Easy to use—lamp appliance plugs into timer, then timer plugs into any AC wall socket. 1875 watts, 120 volts AC. Has 5-ft. cord. **63 B 857.** Shpg. wt. 2 lbs. 7.



Built-in 24-hour Timer

995

Installs in minutes
in wall switch
or AC outlet box

Automatic or manual control of lights and appliances. Full 24-hour On-Off control—resets itself automatically. Range, 15 minutes to 23½ hours. Automatic, regular receptacles. 1875 watts.

63 B 860. Wt. 2 lbs. 9.95



Plug-in 24-hour Timer

595

- Automatic or manual control
- Compact size

Plugs into any wall receptacle for automatic or manual timing control of lamps or appliances. Compact size allows one outlet to be used for regular use. Range, 15 minutes to 23 hours. 3 amps, 375 watts, 125 watts. **63 B 862.** Wt. 2 lbs. 5.

Four-hour timed Extension Cord



795

Automatic
Off control

Plugs into any AC outlet. Turn knob to desired shutoff time (up to 4 hours)—turns appliance off at time selected. Manual setting. Rubberized 6' cord. 1 lb.

63 B 633. 7.95

"Clock Watcher" portable Bell Timer



395

Times up to
60 minutes

Sixty-minute timer with bell signal for use in cooking, baking, or countless other home chores. Bell rings at interval selected. Untipped bell bottom base—inclined dial. Spring-powered. 2 lb. **63 B 620.** 3.



Popular Stop Watches for schools, industry, sports—with Swiss-made, precision jeweled movements

1/10 Second
Sports Model **1195**

1/5 Second
Time-Out **1195**

Sports Model. 1/10 second. Outer dial registers to 30 sec.; small hand, min. Start, Stop, Continue controls. Slide button zero return. 1 jewel.

63 B 635. Shpg. wt. 1 lb. 11.

Time-Out Model. Measures 1/5 second. Inner dial registers to 30 min. Start, Stop, Continue controls on crown. Side button for zero return.

63 B 611. Shpg. wt. 1 lb. 11.

Mathmile Computer



50¢

Performs 8 functions—divides, multiplies, computes interest, per cent, averages, etc. Fast and easy to use. Wt. 4 oz.

68 B 1007. 50¢

Add-a-Matic Calculator



88¢

Super gadget helps prevent overspending! Adds cents, dimes, dollars—all by easy pushbutton. Sturdy. Wt. ¼ lb.

61 B 433. 88¢

"Magic Brain" Calculator



49¢

Adds, subtracts, multiplies in a flash. Figures from 1 to 9,999,999. Handsize for easy operation. Wt. ¼ lb.

61 B 849. 49¢

4-digit palm-size Reset Counter



299

Hand tally counter for scores, shopping. Counts from 0-9999. Polished chrome steel. Fast reset button. Wt. ¼ lb.

63 B 835. 2.99

4X Fresnel lens Pocket Magnifier

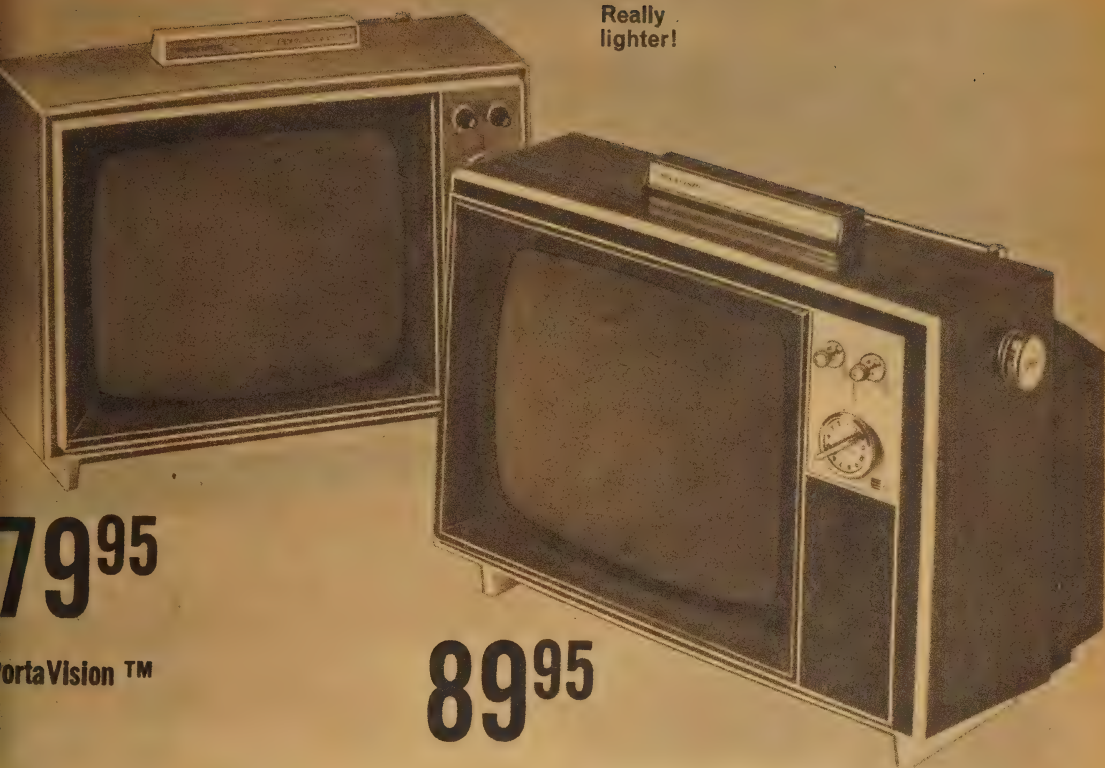


50¢

Unbreakable, flexible—only ¼" thick. Fresnel-principle grained surface; enlarges 4 times clearly. Wt. 2 oz.

60 B 1005. 50¢

Really
lighter!



79⁹⁵

PortaVision™

89⁹⁵

Presenting Realistic PortaVision . . two feathery light, really bright 12" (75 sq. in. viewing area) Television Sets

Value-priced full-feature model

- Automatic Gain Control stabilizes picture and sound, reduces interference greatly
- Aluminized picture tube for brighter pictures
- Tunes all VHF-UHF stations . . dual antennas

Here's further proof that you save more at Allied Radio Shack. Lower price and more features make PortaVision TV by Realistic an impressive bargain. One of the lightest 12" sets available anywhere—weighs only 15½ lbs. for true room-to-room portability! You get brighter, more stable black-and-white pictures on a 75 sq. in. screen with aluminized picture tube and Automatic Gain Control. Speaker is located up-front where it faces you for maximum fidelity sound. Tunes all local VHF and UHF stations and has antennas for each. You get all this, plus the assurance that Realistic PortaVision is serviced with original factory parts in Allied Radio Shack stores coast-to-coast.

If you're looking for a compact first TV set or a full feature second set for home, office or club, here is the perfect choice at a budget-basing price. Standard-face screen in a streamlined beige and white cabinet. Measures only 12¾" high x 16¾" wide x 10¾" deep. For standard AC.

B 1251 U. Shpg. wt. 18 lbs. 79.95

Deluxe model with glare-free screen

- Special glare-free black screen provides outdoor picture brilliance
- Dual antennas for all-channel viewing
- Mar-resistant woodgrain plastic cabinet

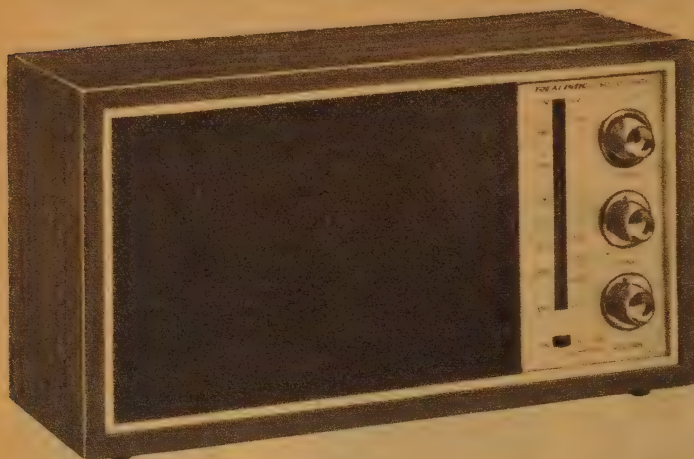
Get all the new-as-tomorrow features you would expect from Allied Radio Shack at a typically lower price. You get ultra-clear black-and-white pictures on a compact 12" (75 sq. in.) screen. An optical "black screen" face provides picture brilliance in room or patio conditions under which other sets wash out. An aluminized picture tube further assures you of radiantly bright reception. Premium-design keyed AGC for picture stability and minimum interference. Up-front sound—the speaker faces YOU—for higher fidelity.

Dual antennas are furnished—telescoping VHF and loop UHF. Terminals for outdoor antenna. Weighs only 15½ pounds for carry-it-along viewing. Space-saving design makes it ideal for small apartments, personal viewing or as that second set. And consider this: Realistic PortaVision is serviced with original factory parts in 48 states. Stunning woodgrain cabinet measures 12¾"x16¾"x10¾". AC.

16 B 1252 U. Shpg. wt. 18 lbs. 89.95

Buy your TV Set with no money down . . full Credit Details on page 331

Realistic high-performance, low-price Table Radios



Value-priced FM-AM Radio has sealed air-suspension speaker

34⁹⁵

- Walnut wood cabinet
- Full-range tone control
- Compact, fits anywhere

Model MTA-5. Loaded with features that you would never expect in a radio at this price. The handsome oiled walnut wood cabinet will grace any living room. We've designed an air suspension speaker into the radio's sealed cabinet that delivers unusually full, rich tone. Look at these other features: AFC to prevent FM station drift, full-range tone control, vertical slide rule dial for easy tuning. Built-in ferrite rod AM antenna, line cord FM antenna. The wood cabinet is complemented by attractive grille cloth and metal panel. Size, 6 $\frac{1}{2}$ "x10 $\frac{1}{2}$ "x4". AC.

12 B 698 X. Shpg. wt. 4 lbs. 34.95

Fine-performing solid-state FM-AM Radio

- Automatic frequency control
- All-transistor circuit
- Luxurious wood-grain cabinet

27⁹⁵

Styled to add grace to your decor and priced to save you money. Handsome wood-grain plastic cabinet houses a fine radio receiver that delivers great sound. Built-in automatic frequency control on FM prevents annoying station drift. Amazing sensitivity for a radio of this size—it pulls in stations loud and clear. Has big 4" dynamic speaker, FM line cord antenna, easy-to-tune slide rule dial, and all-transistor circuitry to assure maintenance-free operation for many years to come. Size, 10 $\frac{1}{2}$ "x5 $\frac{1}{2}$ "x3 $\frac{1}{4}$ ". AC.

12 B 1120 X. Shpg. wt. 5 lbs. 27.95



Exclusive Air Suspension Speaker

Sealed wooden cabinet

Sound-absorbent suspension material

Hi-fi grade magnet structure

Superior spider construction

Curved cone

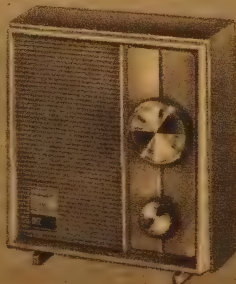
U-style edge



Lowest priced AM Table Radio **788**

A real sound value! An excellent solid-state AM table radio housed in an attractive decorator case. "Instant Play" feature brings you rich, vibrant sound the moment you turn it on. In smart beige case, 5 $\frac{1}{2}$ "x6 $\frac{1}{2}$ "x2 $\frac{1}{2}$ ". AC.

12 B 1426 S. Wt. 3 lbs. 7.88



A Exciting AM Table Radio with slide-rule dial

You can't miss with this attractive solid-state AM table radio. Delivers full, rich sound through a high-efficiency speaker. Give you the most enjoyment from all your favorite programs. Accurate slide rule tuning. Brushed aluminum control panel. Beige case. Size, 10 $\frac{1}{2}$ "x4 $\frac{1}{2}$ "x3 $\frac{1}{4}$ ". AC.

12 B 1482 X. Shpg. wt. 2 lbs. 11.95

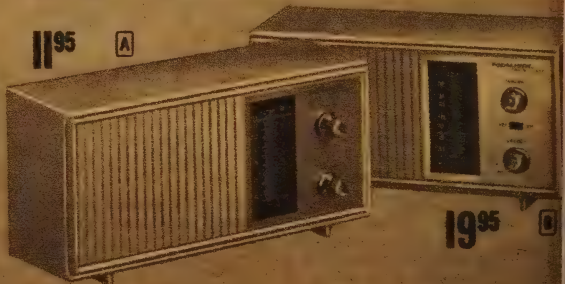
B Mini-priced solid-state FM-AM Radio

Handsome solid-state FM-AM table radio with modern styling and brushed aluminum panel. Solid construction and a high quality speaker give you the full benefit of today's fine FM programs. Slide rule dial assures pin-point tuning accuracy to help you separate closely-crowded stations. "Instant-on" operation means you don't miss a thing. Size, 10 $\frac{1}{2}$ "x4 $\frac{1}{2}$ "x3 $\frac{1}{4}$ ". AC.

12 B 1483 X. Shpg. wt. 3 lbs. 11.95

11⁹⁵

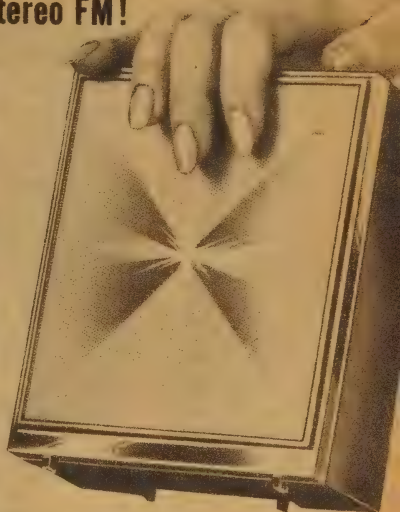
A



19⁹⁵

Enjoy great music with Realistic FM-AM Radios

Exciting "Carouselle" offers portable stereo FM!



- Detachable wing speakers give true stereo separation
- Lightweight and ruggedly constructed to go anywhere
- Beautiful black leatherette and chrome cabinets

59⁹⁵

...the delightful Realistic "Carouselle" portable FM-AM radio is proof that you can enjoy the "you-are-there" sound of stereo for a fraction of what you may have thought it would cost. This lightweight portable offers AM, FM and stereo-FM in an amazingly compact, easy-to-carry radio with rugged solid-state construction. Complete stereo channel separation is accomplished with two big-sound detachable speakers. The many great features include separate tone and balance controls for each channel, FM stereo indicator beacon for easy stereo tuning, push-button band selectors, precision tuning on slide rule dial that

includes logging scale. Has built-in ferrite AM antenna plus telescoping FM antenna for best reception. Earphones and jack make it possible to listen privately to the great stereo sound. Receiver and speakers are housed in luxurious black leatherette cabinets with chrome accents. A convenient hide-away carry handle makes the portability complete. Each speaker measures 5 3/4 x 4 1/2 x 2 1/2". Center section measures 5 3/4 x 9 1/2 x 2 1/4". Plays on batteries (included) or house current with optional adapter below.
12 B 1427 X. Shpg. wt. 6 lbs. **59.95**
12 B 702. AC Adapter. Shpg. wt. 8 oz. **4.95**

Finest Realistic FM-AM Radio delivers great hi-fi sound

...amazingly low price for an FM-AM radio with solid-state circuit, air-suspension speaker and walnut-finish wood cabinet

Bass/treble control
 Tape recording output
 Phonograph input

49⁹⁵

...model MTA-10. What makes this FM-AM radio sound good is the exclusive Euphonica air-suspension speaker, fully sealed in the cabinet and with sound-absorbent suspension. Add to this a solid-state circuit and you have a radio that compares with better models. Delivers hum-free reception. Wide-range tone control, automatic noise-limiting circuit, automatic frequency control. Phono input, tape output for off-the-air recording, and an earphone output for private listening or adding a remote speaker. Built-in AM antenna, line-cord FM antenna, external antenna terminals. 11 transistors, 12 diodes. Luxurious wood cabinet, 14 1/2 x 9 1/2 x 5 3/4". AC.
12 B 666 X. Shpg. wt. 9 lbs. **49.95**



...Credit Fund details on page 331 . . no money down



**STEREO
CONCERTMASTER**
36-watt component
Receiver with
matched acoustic
suspension speakers

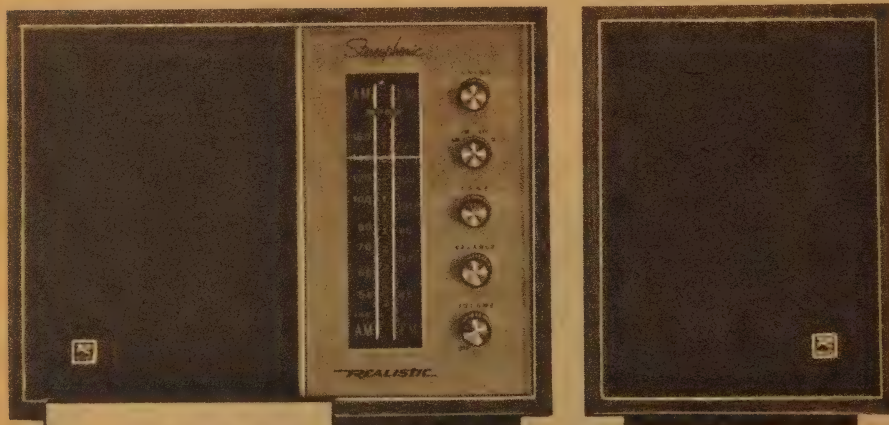
149⁹⁵

REALISTIC

**NEW FOR '71! Our most advanced compact Stereo FM-AM
System offers years-ahead looks, features and performance**

Step into a new era of sound! Sophisticated electronics unique in a stereo FM-AM system at this price sets the "Stereo Concertmaster" apart. Receiver is only six inches wide—fits anywhere! Solid-state FM front-end with FET assures superior reception. Transformerless circuit for better bass and treble response. Rotary dial for accurate tuning. Exclusive Glide-Path™ volume control is loudness compensated for maximum bass response at low listening levels. Precision tuning meter. "Midnight" dial light only when power is on. Inputs for magnetic phono and tape. Stereo headphone jack. Tape output. Built-in AM and FM antennas. Oiled walnut. Receiver, 12x6x10"; speakers, 12x8x10". AC.

12 B 694 U. Shpg. wt. 23 lbs. 149



**Realistic's lowest priced
Stereo FM-AM Table Radio**

59⁹⁵

REALISTIC

**Solid-state
Stereo FM-AM
Table Radio**

*Acoustically matched
speakers, phono input
... walnut wood cabinet*

Now Realistic puts the luxury of vibrant stereo FM-AM sound within the reach of budget! Handsome two-cabinet design, with one of the 4" wide-range speakers in separate enclosure with cable that separates up to 7 feet. Ceramic phono input allows you to add stereo changer. Other more-for-your-money features: separate tone, bass and volume controls; AFC for drift-free FM; FM line cord antenna. A full complement of 35 solid-state devices assures excellent, trouble-free performance for years to come. Easy on the ears and the eyes with tasteful, grained walnut wood cabinet. Radio, 10 1/2 x 8 3/4 x 5 1/2"; separate speaker, 8 1/2 x 6 x 5 1/2".

12 B 1474 X. Shpg. wt. 15 lbs. 59



**Stereo FM-AM
Radio Tape Player**

134⁹⁵

(A)

**big selection of FM-AM Radios featuring
able solid-state circuits, AFC for drift-free
M, latest styling . . priced for extra value!**

Lloyds Stereo FM-AM Radio with 8-track Tape Player. Has two 6" wide-range speakers in matching enclosures that separate 12 ft. for maximum stereo effect. 25 watts peak music power. Radio has slide-rule dial for easy tuning; indicator light for stereo FM; AFC; volume, balance, bass and treble controls. Automatic or manual switching. 8-track stereo cartridge player with track indicator lights. Loudness switch. Input for ceramic phono. Tape output, headphone jack. Built-in AM antenna, line-dial FM antenna; terminals for external AM and FM antennas. Vinyl-covered walnut enclosures. Receiver, 4½x19¾x10½"; speakers, 9½x8½x5⅞". AC.

8 6006 U. Shpg. wt. 27 lbs. **134.95**



(B)

59⁹⁵

Panasonic FM-AM Digital Clock-Radio. Stunning design with wood and metal styling. Solid-state radio has separate AM and AM tuning dials that light up independently. Continuous volume control, AFC for drift-free FM. 4" speaker provides excellent sound. Illuminated easy-to-read large leaf-type numbers give 60-minute sleep switch. Awake to music, buzzer or "sure-awake" continuous alarm. Oiled walnut end panels. Earphone for private listening. 4½x12¾x6¾". AC.

8 6008 X. Shpg. wt. 6 lbs. **59.95**

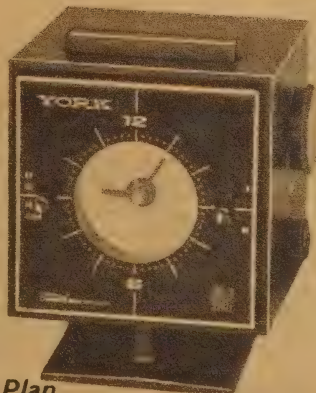


(C)

47⁵⁰

Swivel-Base FM-AM Clock-Radio. Here's a good-looking, fine-sounding clock-radio that swivels on base for extra convenience . . . perfect for night table, kitchen or desk top. Solid-state design featuring lighted slide-rule dial, separate volume and tone controls for best sound. Built-in AFC locks-in FM stations, cuts drift. 3½" speaker delivers wide-range reception. Clock has snooze bar and slumber switch. Includes two antennas: line cord for FM; ferrite bar for AM. Walnut finish wood cabinet with black grill cloth and chrome trim. Earphone included. U.L. Listed. 5¾x10¼x4¼".

8 6009 X. Shpg. wt. 7 lbs. **47.50**



(D)

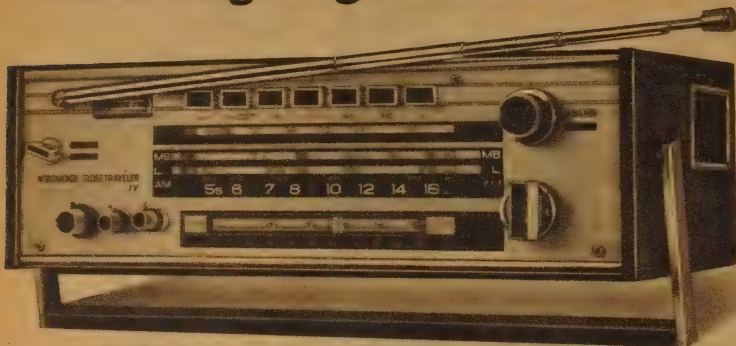
29⁹⁵

Space-Saving FM-AM Clock-Radio. Cube-shaped clock-radio has compact, ultramodern styling that makes it ideal for night stand or shelf; offers fine FM-AM reception. Deluxe features include large, lighted Telechron clock system with "snooze" touch bar for an extra 10-minute nap. AFC for drift-free Direct dial precision tuning. Dependable solid-state circuit. Large 3" dynamic speaker. Distinctive pedestal base. Walnut finished plastic cabinet with black and silver trim. Overall dimensions, 5¾x4¾x5". AC.

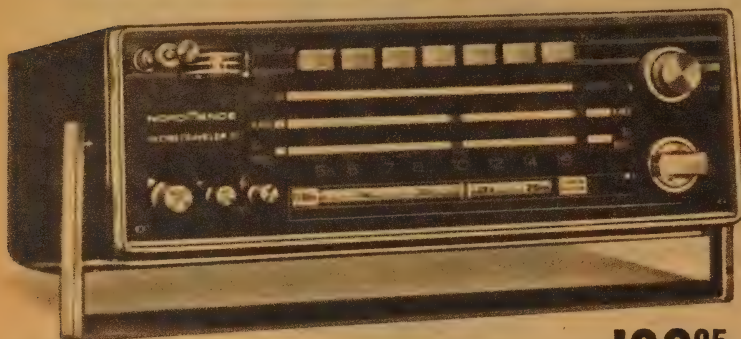
8 6010 S. Shpg. wt. 3½ lbs. **29.95**

At Allied Radio Shack's convenient Credit Fund Plan

These long-range multiband Portables play anywhere



189⁹⁵ 16-band Portable Radio has 147-174 MHz police/public service band



15-band Car/Portable Radio is perfect for home, car, boat or trailer

169⁹⁵



59⁹⁵

Nordmende 4-band Portable

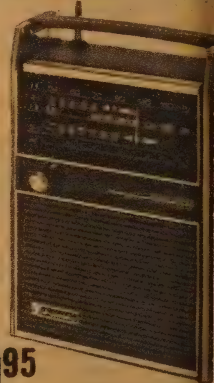
"Idol C." Unusual portable has four exciting bands. Tunes shortwave on 49 meter band spread full dial width. Covers standard FM and AM. Has two AM spread bands especially designed for long-range reception—tune hundreds of stations in the U.S. or Canada for a full choice of music, sports, and news events. Tone control and 2½ watts peak power with a full-range speaker to give excellent tone quality. Telescoping antenna pulls in signals. Wood-grain plastic cabinet, 10¼x6¼x3". Operates on 6 "C" batteries (not incl.). 12 B 6002 S. Shpg. wt. 4¼ lbs. 59.95



54⁹⁵ 39⁹⁵

FM-AM "Camper" Portable

Sharp FX-182. Offers long-range reception and unique features such as flashlight with red filter, compass, thermometer, and humidity meter which make the radio ideal for campers and travelers. RF stage on AM pulls in distant stations. Silicon-transistor circuit with one-watt output. Automatic gain control. Operates on AC or 4 standard (incl.) or rechargeable "D" batteries. Dial light, AC and charge indicators, tuning/battery meter, earphone jack, telescoping FM antenna. 7½x10¼x2½". U.L. Listed. 12 B 6007 X. Shpg. wt. 5 lbs. 54.95



FM-AM-TV sound Portable

A solid-state portable battery/AC radio that gives you AM, FM and the audio portion of TV broadcasts on TV-1 (channels 2-6) and TV-2 (channels 7-13). Listen to your favorite TV programs wherever you go. Has excellent tone and response. AFC on FM locks in stations, prevents drift. Slide rule vernier tuning with scale. High and low tone switch adjusts sound. Swivel telescoping antenna pulls in signals. In handsome walnut-grain hi-impact plastic case. Size, 8½x6¼x3". Operates on AC or 4 "C" batteries, (not incl.). 12 B 6011 S. Shpg. wt. 5 lbs. 39.95

Nordmende battery/AC

Portables give world coverage

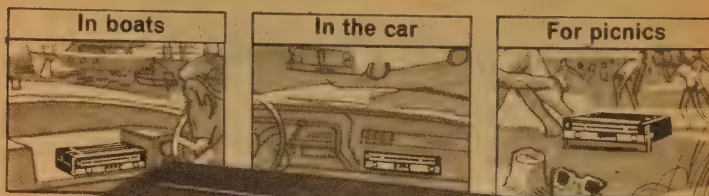
Globetraveler IV. This 16-band battery AC portable puts the entire world of listening pleasure at your fingertips. Tunes FM and AM, 1.5-3.7 MHz marine, 145-420 kHz LW, 147-174 MHz VHF police/public service band. Eleven shortwave bands, 3.61-22.10 MHz—are each spread full-width. Has IF bandwidth switch for better reception in every mode. AFC on FM, 1-watt audio power, tuning meter, battery tester. Separate bass and treble control. 5x7" woofer and 2¼" tweeter for fine sound. Switched dial illumination. Ferrite air dual telescoping antennas, jacks for external antennas and ground. Earphone and headphone jacks. Also has jacks for extension speaker, phono, tape, amplifier. Vinyl-covered wood cabinet, 8¼x13¼x4½". Uses 5 "D" batteries (not included) or built-in AC cord. 12 B 6001 U. Shpg. wt. 12 lbs. 189.95

Globetraveler III. Fifteen bands. Same features as Globetraveler IV plus adaptability for use in car or boat with optional car/boat mounting bracket below. Does not have 147-174 MHz band. AC or 5 "D" batteries (not included). 12 B 6004 U. Shpg. wt. 12 lbs. 169.95

Globetraveler Pro. Same features as Globetraveler III except tunes 10 and 11 meter bands instead of 59 and 61 meter bands. Has Beat Frequency Oscillator enabling you to tune Amateur SSB broadcasts and code signals. AC or 5 "D" batt. (not incl.). Car bracket below. 12 B 6003 US. Shpg. wt. 12 lbs. 209.95
12 B 6005 X. Car/Boat Bracket with Lock. 6 or 12 volts. Shpg. wt. 4 lbs. 22.95

Realistic "pull-out" Portables for car or boat

Mount it in the car—
it locks! Or pull it
out as a portable



FM-VHF Police pull-out Car/Portable Radio

NEW 59⁹⁵

Uses 4 "C" batteries
or 6/12 V car battery
Theftproof mounting bracket

This new multi-purpose portable works four ways. Operates as a portable, powered by 4 "C" batteries—or in the car, powered by the car battery. You hear FM music, plus VHF public service band (147-175 MHz) for police, fire, weather, taxi, business and public service calls—wherever you go. Theftproof under-dash mounting bracket for the car—carrying handle for portable use. External speaker jack: squelch control that eliminates VHF "hash"; telescoping antenna. Dial lights when used in car. For 6 or 12 V, positive or negative. Includes 4 "C" batteries. 9½x6½x2¾".
B 678 S. Shpg. wt. 3 lbs.59.95



Theftproof under-dash
car mounting bracket
WITH EACH MODEL
Key locks radio in
place for safety

Car-or-carry FM-AM "Autoportable"

Fits all 6 or 12 volt cars
Self-contained batteries
for portable listening

This Realistic portable goes anywhere—yet costs no more than an ordinary portable. Drive with the pleasure of FM and AM music—tote it with you when the trip is over. Dependable "instant-on" solid-state circuit has built-in AM and telescoping FM antennas, pushbutton selectors for AM, FM, AFC, Tone. Dial lights when used in car. 3½" speaker. Jack for extra speaker. Includes theftproof auto mounting bracket with key, 4 "C" batteries. 9x6½x2¾".
B 677 S. Shpg. wt. 7 lbs.49.95



49⁹⁵

Budget-priced AM "Autoportable"

29⁹⁵

- For all cars, trucks, boats
- Theftproof mounting bracket
- Operates on car or own batteries

Value-priced auto/portable radio gives you outstanding AM performance—anywhere! Carry this versatile traveler along with you—or mount it in the car, with theftproof under-dash bracket that locks it in place with a key. Draws power from the car battery (6 or 12 volts, positive or negative ground); or from 4 self-contained "C" batteries. Great for trips—use it in the car while you're driving, slip it out when you arrive. Easy to install in any car, truck or boat. Reliable solid-state circuit. Dial lights when used in car. Precise slide-rule tuning. 3½" speaker. 9x6½x2¾".
12 B 681 S. Shpg. wt. 6 lbs.29.95

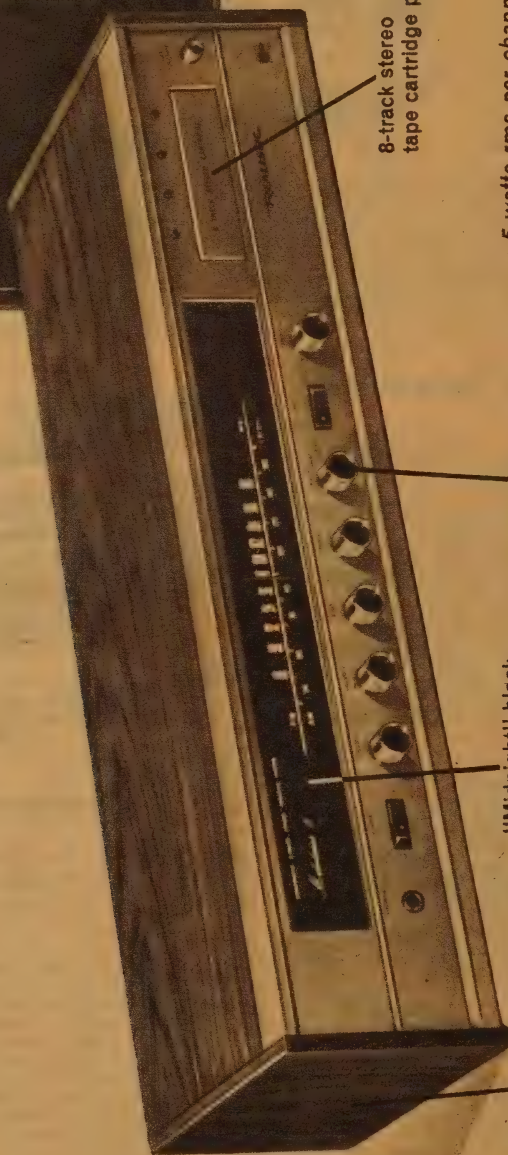


Buy now on our convenient Credit terms

NEW! Exciting 3-piece 8-track stereo FM-AM Music Center from Realistic . . "The Modulaire-8"



Pair of matched
acoustic suspension
speaker systems



8-track stereo
tape cartridge player

Oiled walnut wood
finish cabinet and
speaker enclosures

"Midnight" black-
out tuning dial

5-position
selector switch

- 5 watts rms per channel output
- Separate bass and treble controls
- Automatic frequency control

16995

"Modulaire-8". Realistic's outstanding 3-piece stereo FM-AM radio—plus a continuous-play 8-track cartridge player—all in one brilliant home music system! Features a powerful 10-watt rms amplifier with all-solid-state circuit, guaranteeing you years of cool, reliable operation. Rugged, quiet running AC 8-track stereo tape player plays all pre-recorded 8-track cartridges in stunning stereo. It has illuminated program indicators and automatic track changing for continuous music enjoyment. Front-panel pushbutton allows you to change tracks manually. Hinged door protects heads and internal parts by keeping them clean. FM-AM superheterodyne circuitry in the tuner section provides you with high sensitivity and excellent selectivity—you hear more stations, with greater clarity than ever before. You can even hook up an external outdoor FM antenna for even greater stereo reception. Auto-

gain control (AGC) to prevent overloading on strong AM signals. Midnight slide-rule tuning dial "blacks out" when radio is turned off. Separate channel, bass and treble controls provide you with flexibility found only in much higher priced units. Boasts stereo inputs for stereo record changer with ceramic cartridge, and a rear-panel stereo headphone jack for private listening convenience on all modes. "Magic" stereo beacon lights to indicate FM stations broadcasting in stereo. Acoustic suspension speaker systems, each with wood enclosure finished in walnut, separate up to 14 feet for breathtaking stereo-fidelity. Radio comes with smart-looking extruded brushed aluminum panel, complete with all necessary plugs, cables and line cord. Each acoustic speaker measures 8 1/4 x 8 1/2 x 10 3/4". Radio/tape player is 22 1/4 x 8 5/8 x 4 1/2". AC.

Realistic's best-selling 3-piece stereo FM-AM Table Radio . . "The Modulaire"



9995

- 42 solid-state devices for long life
- Inputs for record changer, tape deck
- Pair of matched air suspension speakers

With styling as modern as tomorrow, this 3-piece ensemble offers everything you could want in a deluxe stereo FM-AM radio. Includes a full complement of component-type controls and features at an unheard-of low price. Compact oiled walnut-finish wood cabinet fits anywhere, looks smart in any room. Perfect for bookshelf or mantle—you can even build it into a wall. Solid-state radio pulls in static-free stereo FM, plus excellent quality AM, and delivers 18 watts rms of music power—about double the output of similar models, for plenty of volume without distortion. Automatic Frequency Control switch brings you drift-free FM, while stereo indicator beacon automatically signals to let you know you're tuned to a stereo broadcast. Separate bass and treble controls give you audiophile-type flexibility in adjusting program material to suit your taste and room acoustics. Includes inputs for adding an automatic stereo record changer with ceramic cartridge, stereo tape deck—even lets you plug-in stereo

headphones for listening to stereo at full volume, even at midnight, without disturbing anyone. Also a balance control for easy adjustment for equal volume from each speaker. Important for maximum stereo effect: function selector for AM, FM, FM-AFC, Stereo FM and Phono. Perfectly matched acoustic suspension speaker systems provide a truly "big speaker" sound, can be separated to a full 14 feet for true concert-hall stereo realism. All solid-state circuitry features 21 transistors, 17 diodes and 4 thermistors, 42 solid-state devices in all, for long, trouble-free life. Built-in FM and AM antennas, plus rear-cabinet terminals for adding outdoor FM antenna to pull in even more stations. Low price includes handsome smartly-styled cabinet, measures $6\frac{1}{2} \times 8\frac{1}{2} \times 10\frac{1}{2}$ " AC. Speakers, in walnut finish cabinets with matching grille cloths, $8\frac{1}{2} \times 8\frac{1}{2} \times 10\frac{1}{2}$ " AC.

12 B 1470 U. Shpg. wt. 20 lbs.

99.95

Enjoy your favorite programs on a Clock Radio by Realistic .. all have solid-state circuits and are precision timekeepers

**AM/FM Clock Radio
and HI-Intensity Lamp
with adjustable
telescopic arm**

49⁹⁵



The handiest radio you may ever own! Use it at home or in the office, by your bed, or on your desk. Stunningly designed high impact molded polystyrene cabinet. You will want to display it proudly... blends with virtually any decor.

Has separate FM and AM tuning systems. Pointers light up to show which band is in use. Touch bar AM-FM selector, with separate touch-bar lamp power switch. Handsome, easy-to-read Telechron clock has full feature controls, including sleep switch. Three-intensity reading lamp telescopes and swivels for easy adjustment.

Advanced-design solid-state circuit with AFC for drift-free FM, top sensitivity for excellent station pickup. Base, 9x6 1/2". AC. 12 B 1486 X. Shpg. wt. 5 lbs. 49.95



**Low-profile AM Clock Radio
with full-feature Telechron clock**

"Chronomatic-2." Highly attractive solid-state radio is a great value at this low price. Top-mounted 3 1/2" speaker provides excellent sound quality and volume. Handsome walnut-grained plastic cabinet gives this radio an elegant appearance. Full-feature Telechron clock turns radio on in the morning and sounds buzzer alarm... has snooze alarm control for that last-minute sleep... 60-minute sleep switch automatically shuts off radio. Big, easy-to-read slide rule dial makes tuning easy and accurate. Has built-in antenna with powerful station pickup. Earphone jack for private listening. Size, 10x3 1/2"x5 1/2". AC. 12 B 1484 S. Shpg. wt. 3 lbs. 19.95

**Instant-on solid-state
circuit for top performance**

19⁹⁵



**AM Clock Radio
with
Telechron clock**

14⁹⁵

- Instant-play solid-state
- Built-in ferrite antenna
- Precision clock movement

Wakes you gently with your favorite music or news broadcast, turns off automatically after you go to bed. Sleek plastic styling. 7 1/4 x 6 1/4 x 2 1/4". AC.

12 B 1475 S. Shpg. wt. 3 lbs. 14.95

Battery-operated fold-up AM travel Clock-Radio



19⁹⁵

Powerful 8-transistor circuit brings in AM stations with excellent tone quality. Easy-to-use mechanical clock. Alarm wakes you up to music or news, "snooze" button lets you sleep an extra 10 minutes, 60-minute sleep switch lets you fall asleep to music, turns set off. Pack your jewelry and other valuables in handy storage compartment. Operates on 4 "AA" cells (included). Folds to 1 3/4 x 3 3/4 x 7 3/8". AC.

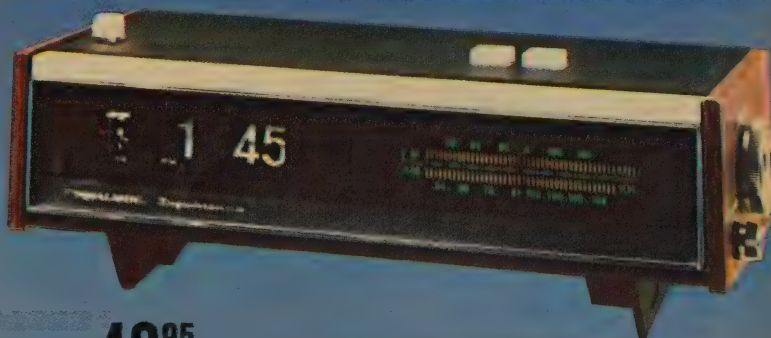
12 B 604 S. Shpg. wt. 1 lb. 19.95

Versatile all-solid-state Clock Radios by Realistic provide superb radio performance and timekeeping at easy-to-take prices

24-hour Digital AM-FM Clock Radio

... alarm never needs resetting

"Digichron II." The new look in clock radios. Modern FM-AM solid-state circuit; softly illuminated clock face lets you see the time in the dark; reads 1-12 AM and 1-12 PM. Set the alarm for your daily wakeup time ... you will never have to set it again. Has snooze alarm and 60-minute sleep switch. Top-mounted pushbutton controls for on/off/auto/manual. Illuminated slide-rule dial for accurate tuning. AFC prevents FM-station drift. Wood-grain cabinet. 13½x5½x4¼". AC. 12 B 1490 X. Shpg. wt. 4½ lbs. ... 49.95



49⁹⁵

Snooze alarm lets you sleep another 10 minutes ... sleep switch turns set off



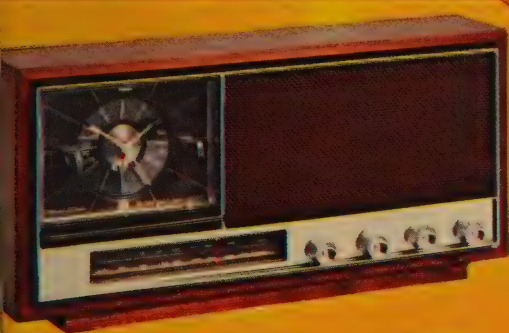
Snooze alarm ... sleep switch ... earphone jack for private listening

34⁹⁵

24-hour Digital AM-FM Clock Radio

... alarm goes off only once in 24 hours

This beautifully designed FM-AM radio is a space saver with its small size. Modern low-profile look plus attractive cabinet design will make you proud to display it. Instant-play solid-state circuit, with many features found only in higher priced radios, brings in stations with excellent fidelity. Top-mounted speaker gives good, controlled sound. Easy-reading digital clock with precision movement and 24-hour alarm ... set it once and forget it. Convenient front-panel buzzer, mode, on/off/automatic controls. Clock-face is softly illuminated ... can be read in the dark. Snooze alarm lets you sleep a little longer ... sleep switch turns radio off automatically. Styrene cabinet, 9¾x5½x2¾". AC. 12 B 1489 X. Shpg. wt. 4 lbs. ... 34.95



FM-AM Clock Radio with all-wood cabinet

39⁹⁵

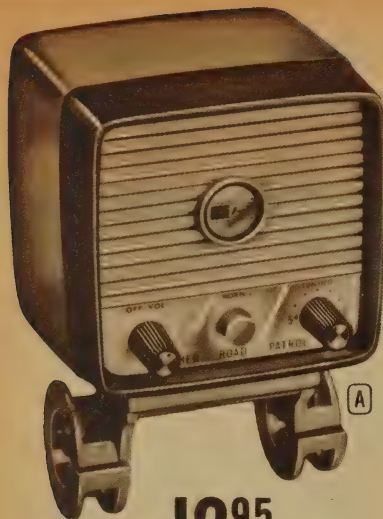
Deluxe all-wood radio with RF stage for better station pickup power. Features AFC to prevent FM drift, AGC on AM for even-volume reception. 3½" speaker with full 700 mW output. Full-feature Telechron clock has snooze alarm bar and 60-minute sleep switch. Illuminated slide-rule tuning dial; prior tuning; full-range tone control. Built-in AM and FM antennas, terminals for connecting an outdoor FM antenna. Walnut-finished cabinet, 13x6½x3¾". AC. 12 B 1481 X. Shpg. wt. 4 lbs. ... 39.95



29⁹⁵

FM-AM Clock Radio with "magic dial"

"Chronomatic 3." Get great FM listening at a low, low cost. Hear your favorite AM programs with full-tone reproduction. The low-profile polystyrene cabinet with its modern design will add a decorator touch to any room. "Magic dial" glows in the dark, provides easy, accurate tuning. Solid-state circuit. Front panel mode switch, AFC. Built-in FM and AM antennas pull in stations with excellent sensitivity. Earphone jack for private listening. Size, 10x3½x5¼". AC. 12 B 1485 S. Shpg. wt. 4 lbs. ... 29.95



12⁹⁵

A Archer "Road Patrol" Bike Radio with Horn. Solid-state AM radio plays as you ride. Flip-lever on the universal mounting bracket secures it to any size handlebars . . . flip again to remove for portable or home use. Built-in horn and large amber reflector on back of durable, all-weather case. 6x4x4". Requires 3 "C" batteries, listed below. Shpg. wt. 2 lbs. **12 B 1168 S.12.95**
23 B 467. "C" Batteries. 3 oz. . . . Each **17¢**



12⁹⁵

Resists sand, snow, water— it even floats!

B Realistic "Waikiki" All-Weather Portable AM Radio. The portable for active people. Resists sand, snow and water—it even floats! Take it along for good listening while fishing, boating or skiing. Solid-state circuit delivers crisp, clear sound. Sealed, high-impact case, 5½x4x1½". Waterproof speaker. With wrist strap and 4 "AA" penlight batteries. **12 B 170 S. Shpg. wt. 1 ½ lbs.12.95**

C Realistic "Jetset" Portable AM Radio. This easy-to-carry portable has a powerful solid-state circuit and big, full-range speaker for clear, vibrant sound. Plays anywhere on 4 economical "AA" penlight batteries, or use it at home with the optional AC adapter listed below. With batteries and earphone for private listening. 6¾x4x1 ¾". **12 B 692 S. Shpg. wt. 2 lbs.12.95**
12 B 702. AC Adapter. Wt. 8 oz.**4.95**

D Realistic AM Pocket Portable. Here's a real value in personal listening pleasure. This 6-transistor portable brings you bright, clear sound at a budget price. Attractively styled high impact pebble-grain finish case, 4x2½x1 ¾". Comes complete with battery, earphone and carry strap. Shpg. wt. 1 lb. **12 B 1290 S.4.95**

E High-Style Realistic AM Pocket Portable Radio. Smartly styled silver accented case makes this fine sounding pocket portable look like a much higher-priced model. It's small and lightweight enough to take anywhere with ease. Sensitive 8-transistor circuit. Complete with battery, earphone and durable carry case. 4¾x3x1 ¾". Shpg. wt. 1 lb. **12 B 644 S.6.95**

F Deluxe "Diplomat" Pocket AM Portable Radio. Small enough to carry in pocket or purse, but delivers full, rich sound for maximum listening enjoyment. Powerful transistor circuit pulls in your favorite AM stations, provides clear, clean sound wherever you go. The ideal take-along portable for every occasion. Complete with battery, carry case and earphone. 4¾x2½x1 ¾". Shpg. wt. 1 lb. **12 B 649 S.9.95**

G Transistor Radio Extension Speaker. Adds a new dimension of depth and full, rich sound to your transistor portables that rivals the performance of table radios. Remarkable tubular extension speaker is only 3" in diameter. Plugs into the earphone jack on transistor portables. With 12-foot cord. Shpg. wt. 1 lb. **12 B 1398 S.1.99**



4⁹⁵

Bargain priced pocket portable transistor radio



6⁹⁵

Designed for top performance, styled for smart appearance



9⁹⁵

Provides maximum listening with a minimum of size



Makes transistor radios sound like "table" models

1⁹⁹

Compact portable brings you clear, vibrant AM sound

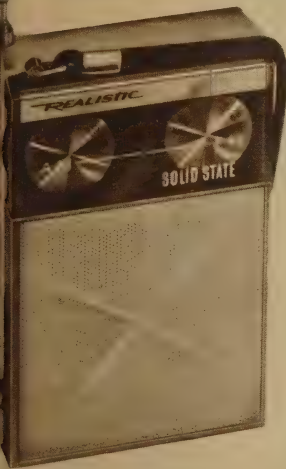
12⁹⁵

Slim styled Realistic FM-AM Portable gives you full sound and features

Deluxe FM-AM portable plays on batteries or AC—delivers great sound through its 3" speaker

29⁹⁵

Deluxe in every sense, this superbly designed FM-AM portable is as pleasing to look at as it is to hear. Its slim, compact high-impact case with handsome black and silver face panel houses a powerful solid-state circuit that brings in remarkably clear reception. A big 3" permanent magnet speaker produces true "big jet" sound. Tuning is easy and accurate with the big slide-rule dial. Ferrite AM and 27½" telescoping FM antennas pull in even distant stations well. Plays anywhere on batteries or AC with self-storing cord. Tone switch adjusts sound to your preference. Its the perfect portable for people on-the-go who want quality as well as compactness. With batteries. 5x8x2½". 12 B 676 S. Shpg. wt. 4 lbs.29.95



Realistic FM-AM Pocket Portable

14⁹⁵

Realistic FM-AM Personal Portable

19⁹⁵

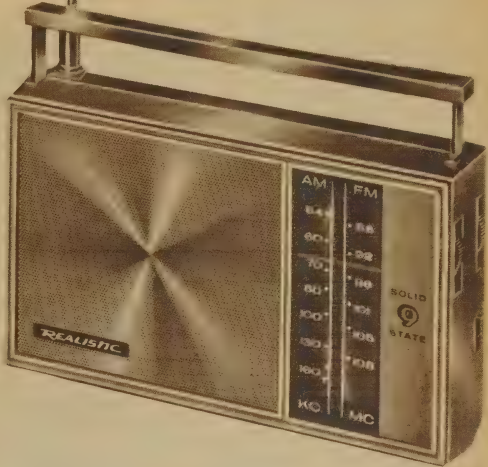
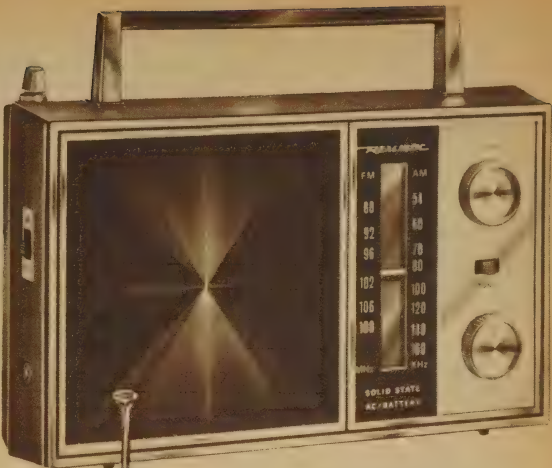
Take along your favorite FM and AM listening with this fine pocket size portable. This versatile solid-state radio features separate tuning condensers for FM and AM. Provides greater selectivity and sensitivity. Advanced OTL circuitry and a full ½" speaker assure you of clean, full-toned sound that rivals that of larger portables. Built-in ferrite AM and telescoping FM antennas help pull in distant stations with clarity. Includes 9-volt battery, earphone, carry strap. 4½x2¾x1 ¾". 12 B 632 S. Shpg. wt. 1 lb.14.95

Our finest AM Portable brings you top reception even in fringe areas

Custom-made AM Portable includes a sensitive tuned RF stage for clearest long-range reception

27⁹⁵

An outstanding performer at home or away, this long-range AM portable features a tuned RF stage for maximum reception even in fringe areas. It's the ideal portable for vacations or camping. Plays on batteries for on-the-go use or AC at home with a self-storing cord. A tone control and wide-range 4" Alnico speaker assure you of full, rich sound, and the powerful solid-state circuit brings in distant stations with sparkling clarity. The large slide-rule dial makes tuning easy. A log scale helps you locate your favorite stations quickly. All these features come in a handsomely styled case, 8x8½x3½". With 4 "D" batteries and earphone. 12 B 675 S. Shpg. wt. 4 lbs.27.95



Compare the looks, features and low price of this FM-AM portable and you'll see why we consider it a top buy. Easy-to-carry portable has a sturdy pull-out handle. Plays on batteries or with optional AC adapter, listed below. Large slide-rule dial simplifies tuning, and an automatic frequency control (AFC) circuit locks in FM stations for drift-free reception. Built-in AM, telescoping FM antennas. With batteries, earphone. 7¼x4 ½x2". 12 B 674 S. Shpg. wt. 3 lbs.19.95
12 B 702. AC Adapter. Shpg. wt. 8 oz.4.95



Our products are serviced at over 850 Allied Radio Shack stores



**SIX BANDS
INCLUDING
BOTH
POLICE BANDS**

74⁵⁰

no money down
see page 331

88-108 MHz FM
30-50 MHz PSB
147-176 MHz PSB
540-1600 kHz AM
5-12 MHz SW
12-24 MHz SW



NEW!

**THREE BAND
INCLUDING
POLICE**

39⁹⁵

no money down
see page 331

87-108 MHz FM
145-174 MHz PSB
540-1600 kHz AM

Allied 6-band battery/AC Portable with both police/public service bands plus FM-AM and shortwave

- Plays anywhere on AC or batteries
- Built-in ferrite AM antenna
- Telescoping FM-SW-VHF antenna

Model 2660. Sensational value in a high-performance 6-band portable that plays anywhere on batteries or AC. Tune in your favorite FM and AM stations. Get news and entertainment and listen in on Hams from all over the world on two shortwave bands. Or keep posted on what's happening locally on the two VHF police/public service bands.

Features big slide-rule dial for easy tuning; momentary-action dial light switch. Fine-tuning control helps separate stations on SW. Squelch control silences speaker between calls when monitoring VHF. Switchable AFC prevents FM drift. Tone control. Full range 3x6" speaker. Local/Distance switch.

Has built-in ferrite AM, dual telescoping FM-SW-VHF antennas (deluxe antennas may be ordered on page 447). Housed in a handsomely styled leatherette-covered case with chrome trim, rugged die-cast handle and front panel, chromed metal knobs. Solid-state circuit has 15 transistors, 8 diodes, 2 rectifiers. With 4 "D" batteries and earphone.

12 B 5056X. Shpg. wt. 12 lbs. **74.50**

Allied 3-band battery/AC Portable Radio features police/public service band with squelch, plus FM-AM

- Lightweight . . . goes anywhere
- High and low tone controls
- Big-sounding 3½" speaker

Model 2630. Smartly styled FM-AM-VHF portable is lightweight and compact, perfect for indoor or outdoor use. Covers standard FM and AM, plus exciting Police/Public Service Band—lets you hear police, fire and emergency calls, civil defense, U.S. Weather Bureau, and much more. Operates on batteries or house current. Features squelch switch that silences speaker between messages on VHF.

Has built-in ferrite loopstick antenna for AM, 27" 7-section telescoping antenna for FM and VHF. Switchable hi-lo tone control provides best tonal quality for music or voice. Indirect slide-rule tuning dial with logging scale. Battery/AC switch in side panel. Earphone (included) allows easy listening with full privacy.

Has 13 transistors, 5 diodes and 2 rectifiers. 3½" speaker provides good sound reproduction. Measures 6½x10½x3½". Attractive black leatherette case, chrome-trim black metal grille. Leatherette carrying handle folds flat, looks good even when used indoors. Self-storing AC line cord.

12 B 5053X. Shpg. wt. 4½ lbs. **39.95**

**FOUR
BANDS**

44⁹⁵

no money down
see page 331



Allied's popular battery/AC four-band two-speaker Portable . . covers two shortwave bands, plus FM and AM

Model 2685. All-transistor feature-packed full-size portable covers 4-bands. Pulls in international shortwave on 4-12 MHz and 12-26 MHz, plus all standard FM and AM broadcasts. Operates on 4 standard "D" batteries or AC with built-in cord. Boasts fine-tuning control on SW, AFC switch on FM, variable tone control, slide-rule dial with vernier tuning, dial light (for DC only). Built-in twin telescoping antennas pull in stations easily. Two 4" speakers give full sound. Cord storage area in back. 15 transistors. 10½x7½x4". Comes with 4 "D" batteries, AC line cord, earphone. Order SW book below. Shpg. wt. 6 lbs.

12 B 5054 X. **44.95**

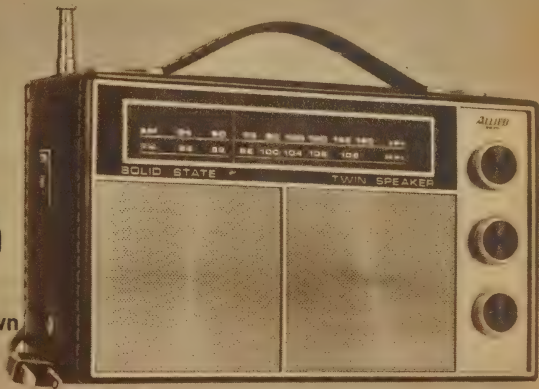
"ABC's of Shortwave Listening." Tips on shortwave listening. SW frequencies and shortwave station information. 96 pages. Great for beginning SWL's.

62 B 7538. Shpg. wt. ¾ lb. **2.50**

**FM-AM
BANDS**

34⁹⁵

no money down
see page 331



Allied's own battery/AC FM-AM solid-state Portable Radio . . two speakers for big sound, low price for big value

Model 2620. This full-size solid-state FM-AM portable radio boasts two speakers for outstanding tone and clarity at a low Allied price. Take it along anywhere to enjoy your favorite local programs . . . plays on 4 "C" batteries or standard AC with self-storing line cord. Extra-wide slide-rule dial is clearly marked for easier station selection. Switchable AFC locks-in FM stations to prevent drift. Also has hi-low tone switch for custom-tailoring voice or music broadcasts. Built-in ferrite AM, 29½" telescoping swivel whip FM antennas. Durable, attractively designed padded leatherette-covered carrying case with metal grille. Strong spring-loaded carrying handle. Measures 7x10½x3½". Comes complete with AC line cord, batteries, earphone. Shpg. wt. 4 lbs.

12 B 5052 X. **34.95**

Our finest Allied
multiband portable Radio
has both VHF police/
public service bands

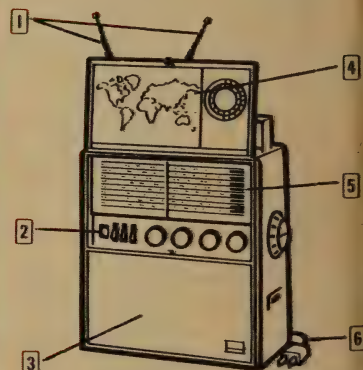
89⁹⁵

Model 2682. Book first-class passage on this Allied 8-band receiver for an exciting tour of the airwaves. Two shortwave bands ocean-hop the continents for intriguing foreign broadcasts, Ham radio calls, and time signals from government station WWV. Both VHF police/public service bands alert you to law-enforcement activities, fire calls, weather warnings in your area (see VHF note, next page). Aviation band picks up aircraft in flight, plus local airports and ground stations. Marine band covers navigation stations, ship-to-shore calls. Excellent standard FM and AM, too.

Plays on 4 "D" batteries or AC. Fine-tuning spreads out stations on crowded SW bands. Variable squelch control for between-call silencing on VHF. 8-band slide-rule dial has momentary light, band-indicator lights. Automatic noise limiter, AFC for drift-free FM, tone switch. Tuning/battery meter. Local/distance switch. 19 transistors. Two 27" VHF-SW-FM antennas, built-in AM-marine antenna. Motorola-type jack for external SW antenna. Leatherette covered case, rugged die-cast front, carrying handle. 12 $\frac{3}{4}$ "x9 $\frac{1}{2}$ "x4 $\frac{1}{2}$ ". With batteries, earphone, owner's book with SW station list.

12 B 5058 X. Shpg. wt. 15 lbs. 89.95

TAKES ACCESSORIES ON FACING PAGE



TUNES 8 BANDS

- | | |
|--|---|
| 540-1600 kHz standard AM broadcast band | 88-108 MHz FM broadcast for static-free music |
| 1.7-5 MHz mediumwave for Marine calls | 30-50 MHz VHF police/public service band |
| 5-12 MHz shortwave foreign stations, Hams | 107-136 MHz VHF aviation band for aircraft |
| 12-24 MHz shortwave foreign stations, Hams | 147-176 MHz VHF police public service band |

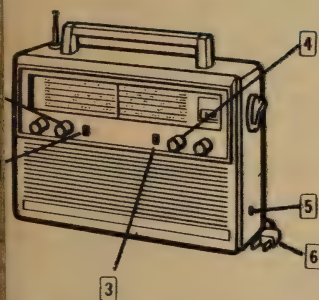
- 1 Telescoping FM-VHF antennas
- 2 S/battery meter, rocker switches
- 3 Full-tone 6x4" speaker
- 4 World time-map in folding lid
- 5 Band indicator lights
- 6 Built-in AC cord and plug



TUNES 5 BANDS

540-1600 kHz standard
AM broadcast band
5-12 MHz shortwave and
foreign, plus Hams

88-108 MHz standard FM
108-135 MHz VHF aviation
147-175 MHz VHF police/
public service band



59⁹⁵

**NEW! Allied feature-packed 5-band
tunes police/public service, aircraft,
shortwave, FM-AM .. battery/AC too!**

Model 2675. For the action-seeking radio adventurer, Allied's new beautifully-styled five-band portable offers great performance and plenty of listening excitement. On the dramatic VHF police/public service band you'll hear action-packed radio calls from police and fire departments, and from public utilities, business and industry in your community (see VHF note below). Be alert for weather changes on U.S. government weather bureau reports heard in many metropolitan areas. VHF aircraft band picks up radio communications from planes in flight and local airports. On shortwave you'll hear news directly from where it's happening—from dozens of world capitals. Listen to Ham radio operators. Also provides excellent reception of standard FM and AM.

Plays anywhere on 4 "C" batteries or AC. Features fine-tuning control for precise shortwave station selection. Slide-rule dial with momentary pushbutton light. AFC for drift-free FM. Tone control. 3x6" speaker provides good sound. Telescoping FM-VHF antenna, built-in AM-SW antennas. Motorola-type jack for external shortwave antenna. 15 transistors. Vinyl-covered case, 7 $\frac{3}{4}$ x10 $\frac{1}{2}$ x3". With batteries, earphone.

12 B 5055 X. Shpg. wt. 9 lbs.....	59.95
15 B 6121. Deluxe SW Antenna. With Motorola-type plug. Shpg. wt. 4 lbs.....	7.95
15 B 6120. Economy SW Antenna Kit. 100' wire, accessories. Shpg. wt. 2 $\frac{1}{2}$ lbs.....	4.25
15 B 6122. Motorola-type Antenna Adapter Plug. Shpg. wt. 1 oz.....	1.14

Dial light on-off Switch
Variable Tone Control
AFC Switch for drift-free FM
Fine-tuning control for SW
Motorola-type SW antenna jack
Self-storing AC cord and plug

Police/Public Service Bands cover police, fire, emergency services, utilities, taxis, trains, etc. The closer you are to a city, major highway or airport, the more VHF you will hear. Calls are short and intermittent. 162.55 MHz weather station heard in many urban areas.



99⁹⁵

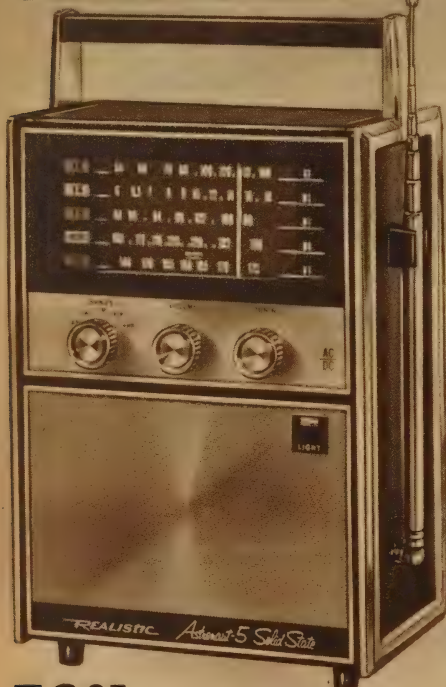
no money down
see page 331

Realistic's finest 8-band Radio, "Astronaut-8" . . covers police, public service, SW, FM and AM bands

Realistic's new powerhouse for '71 puts the broadcast spectrum at your fingertips—offers pushbutton control of AM, FM, the high and low police bands, craft, marine, and two bands of globe-spanning shortwave—8 bands in all. And you get real communications features: squelch for VHF on the 30-50, 147-174 MHz bands; BFO switch for receiving code on the 4-12 and 12-22 MHz shortwave bands; fine-tuning; tone control that also pitch-tunes BFO; an auto meter; AFC control for regular FM broadcasts; separate antennas for AM/SW and the 1.6-4 MHz marine band, and for the other bands, including the 108 MHz aircraft VHF band. Includes built-in 5" speaker. Earphone jack automatically silences speaker when in use. Tape and auxiliary jacks. Vinyl-padded plastic case, aluminum trim. Handsome black and chrome finish. Operates on regular house current or DC, using 6 "D" batteries (included). 15x8x5".
12 B 751 X. Shpg. wt. 9 lbs.

Exciting Realistic 5-band AC/battery Portable Radio . . "Astronaut" . . police/public service band, FM, AM, V

Now you can listen to the exciting "action bands" of radio—U.S. Weather Bureau data, news as it happens from all over the world on shortwave bands, "Citizens Banders," exciting police calls—even lets you listen in on radio operators and aircraft aloft, as well as your favorite FM and AM broadcasts. Take it along anywhere to enjoy your favorite broadcasts. Receives the following bands: AM (540-1600 kHz), FM (88-108 MHz), Public Service/Weather (150-175 MHz), Shortwave (6-18 MHz), Aircraft (108-135 MHz). Includes telescopic antenna, shortwave, AIR and VHF antenna for excellent reception. Also, built-in AFC for FM, lighted band indicator for easy tuning; logging scale on tuning dial. All solid-state circuit assures long, trouble-free enjoyment. Comes in a handsome, rugged leather case with die-cast trim. May be operated on AC as well as DC (4 "C" batteries included). Earphone, AC cord. 11x3½x6¾".
12 B 742 X. Shpg. wt. 7 lbs.



59⁹⁵ no money down
see page 331

Allied Radio Shack has the world's best Radio selection

Realistic's exciting new "Patrolman-4" Receiver . . tunes FM-AM broadcasts plus high and low police bands . . a unique value

Multi-purpose receiver brings you all the action and excitement when it happens—high band (147-174 MHz) and low band (30-50 MHz) local police coverage—plus popular AM and FM stations! Hear news, music and ball games; monitor police cars and taxicabs; even get the latest government weather information. This outstanding solid-state receiver offers squelch control for excellent police reception, even in busy urban areas.

Large 4" wide-range speaker assures you good response, brings you really big sound. Pinpoint tuning accuracy from fool-proof slide-rule dial. Built-in AM ferrite-rod antenna, plus a telescoping antenna guarantee you superb FM and police band reception. It's ruggedly constructed, yet ultra-lightweight, easy to carry anywhere you go. Handsomely housed in durable, padded leatherette case with handy carrying strap.

Includes a convenient automatic emergency circuit that switches the power from conventional house current to batteries in the event of power failure. There's even an earphone for listening in private; a rear-panel external antenna jack will give you even better reception. Complete with earphone, 4 "C" batteries, and AC line cord that stores conveniently inside the cabinet. Measures 11 1/2 x 7 1/2 x 4 1/2". Shpg. wt. 4 1/2 lbs. B 753 X. 49.95



- Covers 147-174 MHz, 30-50 MHz, AM and FM
- Accurate slide-rule dial tuning
- Housed in durable, padded leatherette case
- It's lightweight . . . easy to carry anywhere
- Squelch control reduces background noise

49⁹⁵

17⁹⁵

Tunes AM,
(540-1600 kHz),
police
high band,
(147-174 MHz)



24⁹⁵

147-174 MHz VHF

Realistic "mini" AM/VHF Police Radio

Packet-size high band Patrolman gives you accurate information in emergencies—at home or on the road. Gives you complete high-band coverage of police frequencies, emergency services and civil defense. Picks up continuous U.S. Weather Bureau fine weather bulletins in addition to standard AM broadcasts. Two separate tuning condensers give you better selection than ever before. Complete with earphone, battery and convenient carrying strap. Has built-in ferrite AM and telescopic VHF antennas for optimum reception on all frequencies. 4 1/2 x 7 1/2 x 1 1/2". Shpg. wt. 1 lb. 17.95

Realistic compact AM/VHF Receiver

You can get better reception at a lower price than you'd expect to pay for comparable models not having these advanced features. The Patrolman high-band VHF/AM portable lets you hear continuous U.S. Weather Bureau data, state and local police, emergency services, exciting civil defense . . . plus all your favorite programs on the standard AM broadcast band. Squelch control eliminates annoying "white noise" to give you better reception. Operates on 4 penlight batteries (included). 22" telescoping antenna. 1 1/2 x 7 x 4 1/2".

12 B 629 X. Shpg. wt. 2 lbs. 24.95
12 B 702. AC Adapter. For above. Shpg. wt. 1/2 lb. 4.95

See page 331 for full Credit details . . buy with low monthly payments

449

Realistic Radios for everyone from pilots to picnickers



Battery/AC Portable Radio brings you FM and AM, plus VHF-FM weather report

39⁹⁵

Listen to your favorite FM and AM stations, or get the latest weather reports instantly, indoors or out

Here's a portable radio designed with the active person in mind. It's compact and lightweight for easy portability, and handsome styled for a smart, modern appearance that makes it a stand-out anywhere. Advanced design long-range solid-state circuitry pulls in your favorite FM and AM stations even in fringe areas. Delivers clear, clean sound through an oversize wide-range speaker.

And, if you plan on being outdoors, you can get the latest weather reports 24 hours a day from the U.S. Weather Bureau station operating on 162.55 MHz VHF-FM... an indispensable feature for boaters, flyers, campers, picnickers or just about anyone. Plays on batteries for on-the-go listening, or at home on regular AC with self-contained cord. Comes complete with an earphone and 4 long-life "C" batteries. 9 1/2 x 6 1/2 x 3 1/2".
12 B 673 S. Shpg. wt. 4 lbs. 30.



Whether it's rain or shine, you'll know instantly with a Weatheradio™, our "talking barometer"

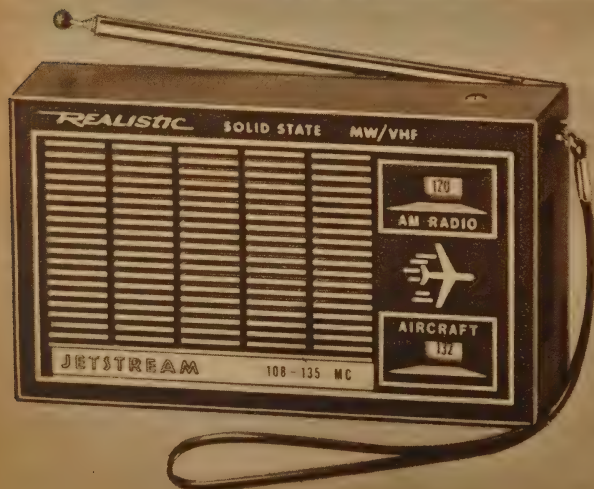
14⁹⁵

Hear up-to-the-minute weather reports 24 hours a day without interruptions from news, music or commercials

A Radio Shack exclusive! Our unique WEATHERADIO is an entirely new concept in executive-styled desk top radios. It's been designed to perform a single function—provide you with the latest official weather bulletins from the U.S. Weather Bureau's VHF-FM stations on 162.55 MHz. Great for vacation planning, sports enjoyment, crop harvest essential for your flying or boating safety. Battery operated for on-the-go use.

Our "talking barometer" is beautifully styled in a compact 3x3x3" rosewood "cube" cabinet. No knobs or dials. Just press the single touch control for continuous, up-to-the-minute weather information any time of the day or night. Volume and fine tuning controls are preset, concealed under the radio. All solid-state circuitry. Telescopic VHF antenna for strong, clear reception from the Weather Bureau station nearest you. Uses one 9-volt battery.

12 B 165 S. Shpg. wt. 1 1/2 lbs. 14



Hear aircraft in flight, airports and regular AM on our Jetstream® portable

21⁹⁵

Compact portable tunes the 108-135 MHz VHF-FM aircraft band plus your favorite AM stations

Realistic's exciting "Jetstream" portable radio lets you listen to aircraft in flight, pilot to control tower communications, airport bulletins and more on the 108-135 MHz VHF-FM aircraft band. Brings you your favorite AM radio stations too. Great for travelers, flight students, air line personnel, aviation enthusiasts or anyone who wants fascinating listening.

This smartly-styled, compact portable goes with you anywhere. Built-in ferrite AM and telescoping VHF antenna pull in stations at home, on the road or in the air. Attractive aircraft blue and gray case with silver trim. 5 1/2 x 3 1/2 x 1 1/2". With 4 "AA" batteries and earphone. Optional AC adapter below.

12 B 626 S. Shpg. wt. 3 lbs. 21

12 B 702 S. AC Adapter. 2

Realistic Multiband Radios multiply your listening pleasure

"Globester-5" portable Radio covers FM, AM, marine and 2 shortwave bands

49⁹⁵ *Exciting 5-band portable includes a world time map and calculator inside hinged tuning dial cover*

You'll find something to suit anyone's listening interests in the Globester-5" portable 5-band radio. It covers your favorite FM and AM stations, maritime and navigational broadcasts on 1.6 - 5 MHz marine band, and international shortwave in 2 bands from 4.5 - 22 MHz. You can tune in broadcasts from all over the world, many in English, as well as Amateur Radio operators and many government stations on these shortwave bands. Fine-tuning control spreads SW stations, makes tuning easier. Features include an AFC switch for drift-free FM listening, a rotary band selector with bright-red up-front band indicator, smooth vernier tuning, built-in telescoping antenna, external antenna and earphone jacks. Solid-state circuitry. Plays anywhere on batteries or AC. With 4 "C" cells, 10x10 1/4x4".

B 1437 X. Shpg. wt. 7 lbs.49.95



Compact "Globester-4" 4-band FM-AM-marine band-shortwave Portable Radio

39⁹⁵ *Easy-to-carry portable plays on batteries or AC . . provides you with great listening everywhere*

This compactly styled portable provides a touch of luxury with a lot of convenience. The "Globester-4" covers FM, AM, marine and shortwave in four color-coded bands. Tunes 1.6 - 4.5 MHz marine for ship-to-shore and other maritime services, and 4.5 - 12 MHz international shortwave for broadcasts from foreign countries. A fine tuning control separates stations on crowded portions of the marine and shortwave bands. Solid-state circuitry provides powerful reception and a wide-range speaker delivers full, rich sound. Slide-rule dial has a log scale for easy station location. Telescoping antenna; external antenna and earphone jacks. Plays on AC with self-storing cord and 4 "C" cells. With batteries. Textured, padded case. 7x9x3 1/2".

B 1436 X. Shpg. wt. 4 lbs.39.95



Increase your listening pleasure with top-quality three-band portable radio

29⁹⁵ *Choose the model that suits your listening interest . . either FM-AM-marine band, or FM AM-shortwave*

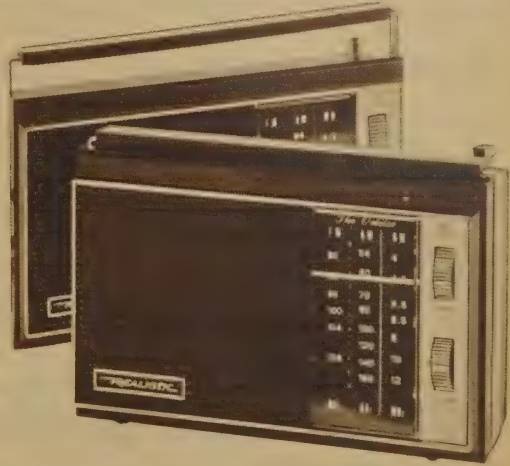
The "Mariner". Take your favorite FM and AM stations with you with this full-feature portable that also brings you 1.5 - 4.5 MHz marine band coverage for listening in on ship-to-shore communications, marine weather broadcasts, navigational stations and other maritime services. Great for boaters and fishermen. All solid-state circuit with AFC for drift-free FM, large, wide-range speaker. Built-in AM, telescoping FM-marine antenna. Plays on 3 "D" batteries or AC with optional adapter (below). Other case. 10x6 1/4x2 1/2". With batteries, earphone.

B 746 S. Shpg. wt. 3 lbs.29.95

The "Orbiter". Similar to above, but covers FM-AM and 6-18 MHz shortwave. With batteries and earphone.

B 745 S. Shpg. wt. 3 lbs.29.95

B 704 S. AC Adapter. Shpg. wt. 1/2 lb.4.95





(A)

NEW!

Elegant FM-AM
Clock-Radio in
wood cabinet

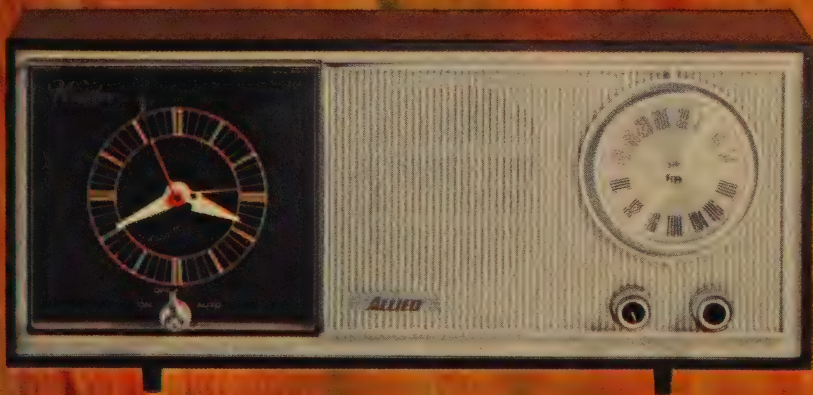
39⁹⁵

NEW!

(B)

Two-speaker FM-AM
Clock-Radio for
bedside or shelf

34⁹⁵



(C)

NEW!

Low-priced FM-AM
Clock-Radio with
precision clock

27⁹⁵

(D)

Three-piece stereo
FM-AM Radio in wood
cases with jacks for
changer, tape player,
headphone

79⁹⁵



A Allied's finest-quality FM-AM Clock-Radio with dynamic twin speakers, wood cabinet

Model 2605. Gently wakes you to the pleasant sound of FM or AM music or the sharp buzz of a persistent alarm, whichever you require. Solid-state FM-AM radio has 2 dynamic speakers for extra tonal range and richer sound-quality. Wide slide-rule dial offers precise tuning on FM and AM bands. Has tone control, switchable AFC to lock in FM signals, prevent drift. Modern low-silhouette styling with luxurious walnut finish wood cabinet. Precision clock system has 0 to 60-minute sleep switch to turn off radio automatically after you've fallen asleep. Snooze button stops alarm for about 10 minutes, then resounds to wake you again. Easy to read, even in the dark, lighted clock face. Sweep-second hand. Built-in antennas. $5\frac{1}{2} \times 11\frac{1}{2} \times 4\frac{1}{2}$ ". AC.
12 B 5005 X. Shpg. wt. 4 lbs.....**39.95**

B Allied full-feature FM-AM Clock-Radio with twin speakers for wider tonal range

Model 2613. Beautifully designed FM-AM clock radio in wood-grained plastic case fits anywhere. Has two speakers for full-range sound, excellent tone-quality. Deluxe solid-state radio has easy-to-tune slide-rule dial for FM and AM bands. Volume control, tuning control, and AFC-FM-AM selector control. AFC locks in FM stations for drift-free reception. Precision clock system has luminous tip hands, sweep second hand. Sleep switch turns off radio automatically after you've retired. Alarm system awakens you to music or buzzer alarm. Snooze button turns off buzzer for ten minutes, then buzzes again to get you out of bed. Built-in FM and AM antennas. High-impact plastic case is low and compact. $5\frac{1}{2} \times 10\frac{1}{2} \times 3\frac{1}{2}$ ". AC.
12 B 5006 X. Shpg. wt. 4 lbs.....**34.95**

C Allied FM-AM Clock-Radio with precision clock system and 4" dynamic speaker

Model 2612. Low-cost FM-AM clock-radio gets you out of bed with a long. Offers reliable service, outstanding reception on FM-AM bands. Radio has solid-state circuit for long life, trouble-free performance. Direct-tuning circular dial zeros in fast on FM-AM stations. Volume control, AFC-FM-AM selector control. Switchable AFC control locks in FM stations, prevents drift. Large 3" dynamic speaker provides natural, wide-range sound. American-made precision clock offers dependable service, wakes you to music or buzzer alarm, whichever you require to get you out of bed in the morning. Large clock face with sweep second hand. Built-in FM-AM antennas. Attractive black plastic case, finished black. $3\frac{1}{2} \times 10\frac{1}{2} \times 5$ ". AC.
12 B 5007 X. Shpg. wt. 4 lbs.....**27.95**

D Allied 3-pc. Stereo FM-AM Radio with wood cabinets and component-type features

Model 2600A. You'll really enjoy the smooth, modern sound of stereo FM, and AM too, when you switch on this 3-piece stereo radio. Component-type features borrowed from the designs of expensive stereo systems give the luxury of big-sound performance at a small price. Finely crafted wood cabinets have oiled-walnut finish. Compact size, fits most anywhere. Solid-state radio has beautiful tone-quality, provides static-free stereo FM, plus outstanding AM reception. Delivers 8 solid watts of peak music power. Full-range 5" speaker systems can be separated up to 14 feet for best stereo channel separation.

Full complement of controls includes bass, treble and balance controls: function selector for AM, FM, FM-AFC, Stereo FM and Mono. Has jacks for plugging in any stereo record changer with ceramic cartridge, and stereo headphones for private listening. Illuminated slide-rule dial has stereo FM indicator light, AFC locks in FM stations, prevents drift. Line-cord FM, built-in AM antennas. Terminals for external FM antenna. AC outlet for changer or tape player. Panel has chrome trim. Solid-state circuit has 19 transistors, 17 diodes, 4 thermistors. Radio, $3\frac{3}{4} \times 14\frac{1}{4} \times 10\frac{1}{2}$ ". Speakers, $10 \times 7 \times 7\frac{1}{2}$ ". AC.
B 5003 U. Shpg. wt. 23 lbs.....**79.95**



22⁹⁵

NEW
Allied AM Clock-Radio with tone control, wood-grain case

Model 2603. Rise and shine to soft music or news and weather with this dependable AM clock-radio. Horizontal slide-rule dial offers pin-point accuracy for tuning the AM band. Has volume and tone controls, built-in antenna. Precision clock has 0 to 60-minute sleep switch that turns off radio automatically after you've retired. Wakens you to music, then to alarm. Snooze button stops alarm, lets you snooze for ten minutes more, then buzzes again. Clock has luminous tip hands, sweep second hand. Modern styling looks great in any room. Wood-grain plastic case, $3\frac{3}{4} \times 10\frac{1}{4} \times 3\frac{1}{2}$ ". AC.
12 B 5008 X. Shpg. wt. $2\frac{3}{4}$ lbs.....**22.95**

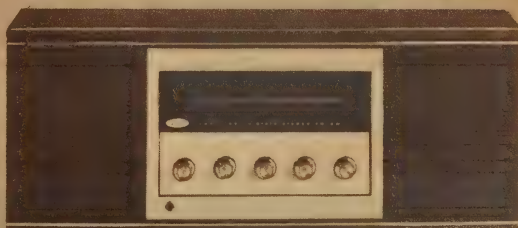
Allied vertical-style AM Clock-Radio

Model 2601. Everything you need in an AM clock-radio, at Allied's budget price! Takes up less room than a lamp. Fits anywhere, wakes you up any time. Radio has solid-state circuit for instant sound. Direct-tuning circular dial gives you precise tuning, lets you get your station fast and easy.

Has on-off/volume control, built-in AM antenna, dynamic speaker for excellent sound quality. Precision alarm-clock system wakes you to the sound of your favorite AM station. Attractive upright design white plastic case, blue and black front trim. $3\frac{1}{4} \times 5\frac{1}{2} \times 7$ ". AC.
12 B 5009 X. 2 lbs.....**14.95**



NEW 14⁹⁵



59⁹⁵

Allied 1-pc. Stereo AM-FM Radio with wood cabinet

Model 2601. Solid-state FM-AM radio offers thrilling stereo in a single all-wood cabinet. Has 6-watt peak music power, two 4" speakers for plenty of volume without distortion. Volume, tone and balance controls. AFC switch. Illuminated slide-rule dial, indicator lights for FM-AM bands, stereo FM indicator light. Front-panel stereo headphone jack. Rear-panel jack for record changer equipped with crystal cartridge. Built-in FM-AM antennas, terminals for external FM antenna. Oiled walnut-finish case, $8\frac{1}{2} \times 19\frac{1}{2} \times 5\frac{1}{2}$ ". AC.
12 B 5004 X. Shpg. wt. 14 lbs.....**59.95**



Our best and most powerful Allied Stereo FM-AM Radio with twin 2-way speaker systems for greatest stereo realism

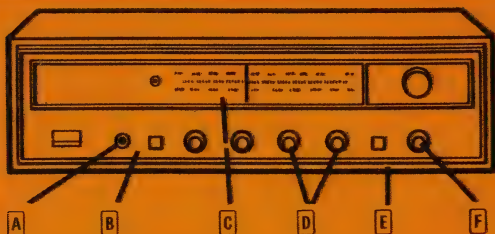
119⁹⁵

Has 25-watt peak music power solid-state circuit . . . inputs for a record changer, 8-track tape player or recorder

Model 2690. This three-piece ensemble offers everything you want in a fine stereo FM-AM radio. Fully enclosed speaker systems, each with 6½" woofer and 2" tweeter, separate up 14 feet for impressive life-like stereo sound that rivals that of many consoles costing several times more. Solid-state circuit pours out 25 watts of peak music power. Radio pulls in station free FM, stereo or monophonic, plus excellent-quality AM. Striking modern design is highlighted by low-profile cabinet. Solid-diecast front panel and oiled walnut finish cabinets.

Enjoy precise tuning on the easy-to-read illuminated slide-rule dial that also features a stereo FM indicator that lights up when you're tuned to a stereo broadcast. Has pushbutton switch for on-off and for AFC to lock in FM stations. Has separate volume, balance and treble controls for adjusting sound to your personal preference. Five-position selector switch for AM, FM, 1 stereo, phono, and auxiliary. And to accommodate a complete stereo entertainment system there is a jack for a stereo record changer with crystal or ceramic cartridge or stereo tape player. A complete outfit that includes the radio and 4-speed stereo changer is shown at left. Has outputs for tape recording. Front panel stereo headphone jack.

Has built-in FM and AM antennas, plus terminals for an external FM antenna. Circuit includes 20 transistors, 18 diodes and thermistors for reliable, trouble-free performance. Speakers may be used vertically or horizontally . . . adhesive pads are included to prevent scratching finish. Radio, 4¼x16¾x9½". Speakers, 13x8¼x7½". AC. 12 B 5002 U. Shpg. wt. 34 lbs.119



- A** Front-panel stereo headphone jack
- B** Solid die-cast metal front panel
- C** Illuminated slide-rule dial
- D** Separate bass and treble controls
- E** Oiled walnut finish cabinets
- F** Five-position selector switch

Radio with Realistic® Stereo Changer

Save \$20.00 **139⁹⁰**



Separately, \$159.90. Above radio plus Realistic "Modulaire" 4-speed automatic changer. With diamond-stylus ceramic stereo cartridge, base, 45-rpm adapter, record brush and tinted dust cover. See page 63 for full specs. 34 B 5401 L2U. Shpg. wt. 42 lbs. . . . 4-Piece Outfit 139.90

Shop in Person, too! ... Over 850 stores in 48 states...



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2701 So. Main St., 545-0405
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VALLEJO 249 Georgia St., 643-1771
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VENTURA 2393 E. Main St., 648-5062
WEST COVINA 2516 E. Workman Ave., 339-1227
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AURORA Hoffman Hts. Shop. Ctr., 364-3518
BOULDER Table Mesa Shop. Ctr., 447-1577
COLORADO SPRINGS Rustic Hills Plaza, 596-1502
119 E. Pikes Peak, 634-7218
DENVER 4390 Gray St., 421-3215
270 So. Federal, 934-3203

15th & Champa, 892-6733
Westland Shop. Ctr. (Lkwd.), 238-6323
2186 S. Colorado Blvd., 756-1678
ENGLEWOOD Cinderella City, 761-2278
FORT COLLINS 228 S. College, 484-9993
GRAND JUNCTION 309 Main St., 243-6226
PUEBLO 1101 So. Prairie, 544-6790
THORNTON No. Valley Shop. Ctr., 288-8346

CONNECTICUT

ANSONIA Downtown Ansonia Mall
AVON Avon Plaza, Rt. 44*
BRIDGEPORT Lafayette Plaza, 336-4361
BROOKFIELD Caldor Shop. Ctr., 775-2333
ENFIELD Suburban-Enfield Mall, 745-9872
HAMDEN Hamden Mart Shop. Ctr., 288-6603
HARTFORD 198 Pearl St., 547-0781
MANCHESTER Manchester Shop. Parkade, 649-1806
MIDDLETOWN Middletown Shop. Plaza, 347-1660
MILFORD Post Road, 878-8338
NEW BRITAIN New Britain Plaza, 225-3393
NEW HAVEN 230 Crown St., 776-1232
NEW LONDON New London Shop. Ctr., 442-0522
NORWICH 285 Main St., 889-7576
OLD SAYBROOK Elm Street Shop. Ctr., 388-2449
ORANGE Whiteacre Shop. Ctr., 795-6491
SOUTHINGTON Queen Plaza, 628-0402
STAMFORD 29 High Rd., 325-0371
TORRINGTON Torrington Parkade, 489-7016
VERNON Tri-Town Shop. Plaza, Vernon Circle*
WALLINGFORD Rt. 5, Colony Plaza, 489-7016
WEST HARTFORD 39 S. Main St., 236-5441
WESTPORT 877 E. State St., 226-9355
WETHERSFIELD Bradley's Shop. Ctr., 522-6297
WILLIMANTIC Willimantic Plaza, 423-9488
WILTON Gateway Shop. Ctr., Route 7, 762-9466

DELAWARE

CLAYMONT Northtowne Plaza Shop. Ctr., 798-5312
DOVER Blue Hen Mall, 674-0974
WILMINGTON Kirkwood Plaza, 999-7670

DISTRICT OF COLUMBIA

WASHINGTON 925 F St. N.W., 347-9188

FLORIDA

CLEARWATER 1291 Missouri Ave., 446-3776
FT. LAUDERDALE 2724 E. Commercial Blvd., 771-5985
971 State Rd. 84
FORT MYERS 3673 Cleveland Ave., 936-7087
FT. WALTON BEACH 70 Beal Pkwy. N.W., 243-0414
GAINESVILLE Sunshine Shop. Ctr.
HIALEAH Palm Springs Mile, 821-6656
HOLLYWOOD 2729 Hollywood Blvd., 929-5827
JACKSONVILLE Regency Sq. Shop. Ctr., 725-7477
Lakewood/San Jose Shop. Ctr., 737-1488
Gateway Shop. Ctr., 764-5440
LAKELAND Wabash Shop. Ctr., 688-3775
MELBOURNE 404-06 S. Babcock, 724-0579
MIAMI Biscayne Plaza, 758-7491
1369 Biscayne Blvd., 374-6727
Midway Mall Shop. Ctr.
N. MIAMI BEACH 1746 N.E. 163rd St., 940-2625
OAKLAND PK. 3454 N. Andrews Ave., 563-8871
OCALA Ocala Shop. Ctr., Silver Springs Blvd.
ORLANDO Winter Park Mall, 647-8646
2139 W. Colonial Dr., 425-7413
PENSACOLA 1412 W. Fairfield Dr., 432-1606
POMPANO BEACH 963 N. Federal Hwy.
ST. PETERSBURG 7901 Gateway Mall, 525-4307
Central Plaza Shop. Ctr., 862-0439
SARASOTA Bee Ridge Ctr., 924-8541
SEMINOLE Seminole Mall Shop. Ctr., 391-2515
S. DAYTONA BEACH Sunshine Mall Shop. Ctr.
TALLAHASSEE 708 Tallahassee Mall*

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TAMPA 4555 W. John F. Kennedy Blvd., 872-8946
Northgate Shop. Ctr., 933-4515
3806 Britton Plaza, 839-2074
2213 East Gate Plaza, 235-7621
W. HOLLYWOOD Zayre-Taft Shop. Ctr., 961-0661
W. PALM BEACH Palm Beach Mall, 683-1502
W. Palm Beach K-Mart Shop. Ctr.

GEORGIA

ATLANTA Atlanta Mail Order Ctr. at 917 Peachtree St., N.W., 874-3069
3081-85 Peachtree Rd. N.E., 233-7991
66 Peachtree St. N.E., 525-0225
Greenbriar Shop. Ctr., 349-0751
Stewart-Lakewood Shop. Ctr., 761-5358
AUGUSTA 1643 Gordon Hwy., 738-4639
CARTERSVILLE 222 So. Tennessee St., 382-9562
DECATUR 3378 Memorial Dr., 284-7722
No. DeKalb Shop. Ctr., 633-8002
DORAVILLE Grant City Shop. Ctr., 458-1942
MACON K-Mart Shop. Plaza, Riverside Dr., 743-4000
SMYRNA Cobb County Center, 436-9313

IDAHO

BOISE Orchard Ave.*

ILLINOIS

CALUMET CITY 100 River Oaks Shop. Ctr., 862-7710
CHICAGO 100 N. Western Ave., 421-6800
921 N. Rush St., 943-1166
225 W. 95th St., 238-3595
2314 W. 95th St., 238-1067
HILLSDALE Hillside Shop. Ctr., 449-8550
LOMBARD Yorktown Shop. Ctr., 495-1433
MT. PROSPECT 229 Rand Rd., 259-6450
NORRIDGE 4100 N. Harlem Ave., 456-3100
OAK PARK 7055 W. North Ave., 386-6812
PARK FOREST 110 S. Orchard Dr., 748-8981
SKOKIE 3817 Oakton Blvd., 673-8170
9450 Skokie Blvd., 679-8250
BELLEVIEW Bellevue Plaza Shop. Ctr., 235-4050
CHAMPAIGN 1401 N. Prospect Ave., 352-1051
CHICAGO Evergreen Plaza at 95th & Western Ave., 636-1161
E. ST. LOUIS 8203 Collinsville Rd., 345-5181
ELGIN 528 Dundee Ave., 695-5361
GRANITE CITY American Village Shop. Ctr., 877-6981
HARVEY Dixie Square Shop. Ctr., 339-3860
LOMBARD 230 S. Main St., 495-1234
QUINCY 3247 Legion Blvd.
WAUKEGAN Belvedere Mall, 336-3151

INDIANA

INDIANAPOLIS 6150 N. Keystone, 255-3154
F2 Eastgate Shop. Ctr., 353-8068
FT. WAYNE Southgate Shop. Ctr., 456-7331
INDIANAPOLIS Lafayette Sq. Shop. Ctr., 293-6210
5417 E. 38th St., 546-5438
Ayr-Way Washington Shop. Ctr., 897-2646
AyrWay South Shop. Ctr. (Rte. 31), 783-9294
7273 Keystone Ave., 253-1429
Speedway Shop. Ctr., 5910 Crawford Villa Rd., 247-9141
RICHMOND 735 Richmond Sq. Shop. Ctr., 966-4484
TERRE HAUTE K-Mart Center, Wabash Ave., 232-4805
Honey Creek Square, 232-4426

IOWA

CEDAR FALLS Hwy. 218 & Melrose Drive, 266-0227
CEDAR RAPIDS Arlan's Shop. Ctr.
COUNCIL BLUFFS 2315 W. Broadway, 328-2336
DAVENPORT 3548 Brady Street, 323-1612
DES MOINES Arlan's Shop. Ctr.
SIoux CITY Transit Ave. Ctr., 276-1571

KANSAS

KANSAS CITY Tower Plaza Shop. Ctr., 342-6260
Wyandotte Plaza Shop. Ctr., 299-1870

LAWRENCE 1000 Massachusetts St., 842-1566
OVERLAND PARK Ranch Mart So. (Leawood), 649-2122
9315 Santa Fe Dr., 649-5627
TOPEKA 2859 Kansas Ave., 267-0568
WICHITA Parklane Shop. Ctr., 685-2211
Kellogg & Market Sts., 265-2353
Seneca & May St.

KENTUCKY

BOWLING GREEN Bowling Green Mall, 842-6564
LEXINGTON Northland Shop. Ctr., 255-8304
LOUISVILLE 6808 Dixie Hwy., 937-2184
2900 Taylorsville Rd., 459-9901
4149 Shelbyville Rd., 897-2200
819 Eastern Pkwy., 637-3508
Camelot Shop. Ctr., 425-4614
NEWPORT Newport Plaza, 441-4361
OWENSBORO 2741 Scherm Rd., 685-3701

LOUISIANA

ALEXANDRIA 1213 Texas Ave., 443-8804
ARABI Perrin & Judge Perez Drs.
BATON ROUGE Westmoreland Shop. Ctr., 344-5648
Colonial Shop. Ctr., Airline Hwy.
GRETNNA Oakwood Shop. Ctr., 362-7989
LAFAYETTE Northgate Mall, 234-7680
MONROE 1818 Tower Drive Plaza, 323-7468
NEW ORLEANS 3112 Paris Ave., 282-1282
2718 Jefferson Hwy., 833-3351
6045 Magazine St., 895-4765
SHREVEPORT 1297 Shreve City, 865-9661
2714 W. 70th St. (inside Weingarten's), 631-4939
Jewella & Greenwood, 636-6530

MAINE

AUGUSTA Augusta Plaza Shop. Ctr., 623-3177
BANGOR Union Mall, Union St., 942-5908
CARIBOU 2 Sweden St., 493-3163
FALMOUTH Falmouth Shop. Ctr., 781-5877
PORTLAND Pine Tree Shop. Ctr., 773-7071
WATERVILLE Upper Main St., 872-9270

MARYLAND

BALTIMORE 6416 Reisterstown Rd., 358-5966
Potapco Plaza, 355-1636
Perring Pky. Shop. Ctr., 661-3520
1 Mile West Shop. Ctr.
Erdman Shop. Ctr.*
BOWIE Painter Ridge Plaza, 249-6393
CAPITOL HTS. Hampton Mall, Central Ave. & Beltway 495
GLEN BURNIE Glen Burnie Mall, 761-1880
LANGLEY PK. Hampshire Langley Ctr., 439-6688
LANHAM 77th Ave. & Rt. 450*
LAUREL Laurel Shop. Ctr., (Balt.) 792-4377, (D.C.) 953-2111
MARLOW HTS. St. Barnabas Rd.
ROCKVILLE 1600 Rockville Pike, 427-1323
SALISBURY Salisbury Mall, 742-4788
TOWSON 503 York Rd., 821-8918
WHEATON 11147 Viers Mill Rd., 933-6640

MASSACHUSETTS

AMHERST 318 College St., Rt. 9, 256-8368
ATTLEBORO B-2 Washington Plaza, 761-5305
BEVERLY Beverly Plaza, 272-2637
BOSTON 730 Commonwealth Ave., 734-5855
594 Washington St., 426-3431
659 Boylston St., 267-4756
91 Summer St., 482-9187
BRAINTREE South Shore Plaza, 843-9200
BROCKTON Westgate Mall, 588-5327
Brockton Plaza, 586-0505
BURLINGTON Burlington Mall, 272-5018
CAMBRIDGE Fresh Pond Shop. Ctr., 491-2925
CANTON Tri-Town Mall, 828-6142
CHELMSFORD Drum Hill Shop. Ctr., 458-1782
CHELSEA Parkway Plaza, Revere Beach Blvd.
DANVERS Danvers Plaza, Rt. 1, 774-4272
DEDHAM Dedham Mall, 329-1587
DORCHESTER Boydside Shop. Mall, 282-4803
E. LONGMEADOW Harkness Ave. & N. Main St.
FITCHBURG John Fitch Plaza, 345-7730
FRAMINGHAM Shoppers' World, 872-6569
GLOUCESTER 92 Main St., 283-3040

GREENFIELD 49 Main St., 773-7285
HYANNIS 523 Main St., 775-7613
LAWRENCE 390 Essex St.
LEOMINSTER Searstown Shop. Ctr., 537-4497
LOWELL Central Shop. Plaza, 455-5469
LYNN 50 State St., 598-0024
MALDEN 51 Pleasant St., 322-7900
MARLBOROUGH East Main St., 418-1027
MILFORD Milford Plaza, 473-3479
NATICK Rt. 9 at Oak St., 235-7435
NEWBURYPORT Port Plaza, Storey Ave., 465-8957
NEWTON CORNER 265 Washington St., 969-1282
NO. DARTMOUTH 88A State Rd., 997-2387
PITTSFIELD Bradlee's Plaza*
QUINCY President Shop. Plaza, 471-3318
SAUGUS N.E. Shop. Ctr., 233-5350
1268 Broadway, 233-0685
SOUTHBRIDGE 284 Main St.
SPRINGFIELD Springfield Plaza, 734-2189
22A Eastfield Mall, 543-2165
Century Shop. Ctr. (W. Spfld.), 732-4433
TAUNTON Plaza 44, 824-4233
WALTHAM 922 Main St., 893-7020
WEBSTER Rts. 12 & 52*
WESTFIELD Westgate Plaza, 568-2904
WORCESTER Lincoln Plaza, 757-9030
20 Front St., 757-9370

MICHIGAN

DEARBORN 15454 Michigan Ave., 584-1680
DETROIT Wonderland Shop. Ctr. (Livonia), 261-2800
Madison Hts. Shop. Ctr. (Madison Hts.), 548-3850
Green 8 Shop. Ctr. (Oak Park), 399-5155
31930 Grotiot (Roseville), 293-5800
GRAND RAPIDS #77 Woodland Mall, 949-2720
MIAMIAC Miracle Mile Shop. Ctr., 334-2585
BATTLE CREEK 116 E. Columbia Ave., 965-1379
DEARBORN 22075 Michigan Ave., 274-3545
DETROIT Macomb Mall (Roseville), 294-5650
19150 Livernois Ave., 862-2010
Lincoln Ctr. (Oak Park), 398-6068
Sears Shop. Ctr. (Lincoln Park), 388-1120
Tel.-12 Mall (Southfield), 357-3190
E. LANSING Meridian Mall (Okemos), 351-7066
ESCANABA 1105 Ludington St., 786-9628
FLINT Eastland Mall, 742-9580
GRAND RAPIDS Woodland Mall, 949-5460
3233 Alpine Ave. N.W. (Walker City), 364-9483
KALAMAZOO Westmain Mall, 382-4906
MIDLAND Eastlawn Ctr., 631-4423
MUSKEGON 850 W. Sherman Blvd., 759-7597
PORT HURON 3851 Pine Grove Ave., 984-3883
ROCHESTER Gateway Center*
YPSILANTI 3100 Carpenter Rd., 971-6610

MINNESOTA

MINNEAPOLIS 6440 University Ave. N.E., 560-7050
5250 Excelsior Blvd. (St. Louis Pk.), 920-8844
ST. PAUL Midway Shop. Ctr., 646-2791
CRYSTAL Crystal Shop. Ctr., 533-0550
DULUTH 29-31 E. Superior St., 722-5551
HOPKINS 1019 E. Excelsior Ave., 938-6716
MINNEAPOLIS 1121 Nicollet, 339-8229
140 Apache Plaza, 788-4911
Hub Shop. Ctr., 866-5027
ROCHESTER Apache Mall Shop. Ctr., 288-884
ST. PAUL Hillcrest Shop. Ctr., 776-5686
STILLWATER St. Croix Mall, 439-4245

MISSISSIPPI

GULFPORT Hardy Court Shop. Ctr., 864-9788
JACKSON 3017 N. State St., 366-6226
1999 Hwy. 80 W., 353-6721

MISSOURI

ST. LOUIS 166 Crestwood Plaza, 968-2880
319 Northwest Plaza (St. Ann), 291-5005
7450 Forsyth Blvd. (Clayton), 727-9972
FLORISSANT Surry Shop. Ctr., 838-7474

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GRANDVIEW Hwy. 71 & Blue Ridge Rd., 763-6643
HAZELWOOD 15 Village Sq. Shop. Ctr., 837-1925
INDEPENDENCE 11307 E. Hwy. 40, 358-4456
 Hwy. 24 & Sterling, 832-3277
JOPLIN 306 Main St., 781-4463
KANSAS CITY 1234 Grand Ave., 421-1030
 Antioch Shop. Ctr., 454-2400
KIRKWOOD 320 S. Kirkwood Rd., 965-0045
RAYTOWN Laurel Hts. Plaza, 358-6422
ST. CHARLES 2265 First Capitol Drive, 723-6062
ST. LOUIS 1125 Pine St., 241-1125
 12105 Bellefontaine Rd., 741-4440
 8650 Watson Rd., 843-6900
 S. County Shop. Ctr., 892-1800
 Northland Shop. Ctr., 381-5190
 10483 St. Charles Rock Rd. (St. Ann), 423-1700
 8420 Olive St. (Univ. City), 991-0494
 3517 Hampton Ave., 351-0203
 9994 Halls Ferry Rd., 869-0814
 11739 Manchester Rd., 965-6048
SPRINGFIELD 2684 So. Glenstone, 881-3251

MONTANA

BILLINGS Alpine Village Shop. Ctr., 252-5241
GREAT FALLS 1014 9th St. South, 452-8944
HELENA 428 N. Main, 442-0692

NEBRASKA

LINCOLN "O" Street*
 70th & Vine St., 434-9673
OMAHA 3002 Dodge St., 346-2433
 Omaha Plaza Shop. Ctr., 84th & Center, 397-7005
 1103-07 So. 119th St., 333-0444
 6317 Ames Ave., 455-2090
 Maplewood Plaza, 90th & Maple, 393-2830

NEVADA

LAS VEGAS 953 East Sahara, 734-2835
 1056 Tonahap Hwy., 648-4343
RENO Shopper's Square Shop. Ctr., 786-3977
SPARKS 1525 Oddie Blvd., 359-3310

NEW HAMPSHIRE

CONCORD 70 No. Main St., 225-6511
DOVER Tri-City Shop. Plaza, 742-4483
KEENE Keene Shop. Plaza, 357-0100
ACONIA Lakes Region Ctr., 524-5550
MANCHESTER 680 Elm St., 669-1303
NASHUA Gate City Mall, 882-4959
LAISTOW Hoyt City, Rt. 125, 382-4696
ORTSMOUTH Lafayette Plaza, 436-6999
ALEM 305 So. Broadway, 893-1233

NEW JERSEY

AYONNE 461 Broadway, 436-0616
OLONIA Colonia Shop. Ctr., Rt. 27, 381-4440
BRUNSWICK Shoppers Mall Shop. Ctr.
ACKETTSTOWN 116 Main St., 852-5234
ADDONFIELD 212 Kings Hwy. E., 428-2624
ADISON Rt. 24, Madison Plaza Shop. Ctr., 822-0461
IDDLETOWN Chapel Hill Shop. Ctr., 741-6382
ARAMUS Bergen Mall, 845-8023
ENNSAUKEN Rt. 130 and Browning Rd., 665-0260
ERTH AMBOY 121 Smith St.
HILLSPUR Hillcrest Shop. Ctr., 454-8972
AINFIELD 202 W. Front St.
INGETON Princeton Shop. Ctr., 924-2547
DGEWOOD 68 E. Ridgewood Ave., 652-9552
ENTON Independence Mall Shop. Ctr., 888-2525
 84 E. State St., 695-7656
ION Rt. 22 (near "Flagship"), 687-3282
AYNE Preakness Shop. Ctr.
EST CALDWELL W. Caldwell Shop. Ctr., 226-2822
EST ORANGE Essex Green Shop Plaza, 731-1100
NEW MEXICO
AMOGORDO 800 New York Ave., 437-2022
BUQUERQUE 6315 Lomas Blvd., N.E., 265-1517
 4th and Copper., N.W., 247-3828
 The Mall Shop. Ctr., 296-5744

CLOVIS 114 W. 21st St., 762-0536
FARMINGTON 115 W. Main St., 325-7690
LAS CRUCES Loretto Shop. Ctr., 523-4212
SANTA FE 208 W. San Francisco St., 983-3747

NEW YORK

ALBANY Colonia Shop. Ctr., Colonia, 459-9208
 83 Central Ave., 436-7147
AMSTERDAM Amsterdam Shop. Ctr., 843-3730
ASTORIA 28-54 Steinway St.
BAYSHORE 1751 Sunrise Hwy., 665-0053
BINGHAMTON Vestal Shopping Plaza, 729-1525
BRENTWOOD 733 Commack Rd., 665-0239
BRONX 1382 Metropolitan Ave. (Parkchester), 597-1291
BROOKLYN Georgetown Shop. Ctr., 2143 Ralph Ave., 531-4726
 4812 13th Ave., 435-7492
 763 Flatbush Ave., 469-0506
 Luna Shop. Ctr., 1216 Neptune Ave., 372-2563
BUFFALO 725 Main Street, 852-6364
 Seneca Mall (W. Seneca), 825-4636
 Transitown Ctr. (Williamsville), 632-7111
 3673 Delaware Ave. (Kenmore), 877-2344
CANANDAIGUA 9 Parkway Plaza, 394-7690
COMMACK Commack Shop. Plaza, Veterans Hwy., 543-8932
DUNKIRK D&F Plaza, 366-3999
ELMIRA 364 North Main St., 734-7847
FAR ROCKAWAY 10-10 Beach 20th St., 337-6683
FRANKLIN SQUARE 949 Hempstead Tpk., 473-2313
GLENS FALLS Northgate Shop. Ctr., 792-6068
HEMPSTEAD 271 Front St.
HICKSVILLE Mid-Island Shop. Plaza
HUNTINGTON 384 New York Ave., 271-3963
ITHACA West State St.*
NEW ROCHELLE 242 North Ave., 576-0153
NEW YORK 1128 Ave. of the Americas, 687-4482
 384 Fifth Ave., 244-0444
 115 W. 45th St., 246-2510
NIAGARA FALLS 2575 Military Rd., 297-3333
OAKDALE Oakdale Shop. Ctr., Montauk Hwy., 589-0340
OSWEGO Mid-Town Shop. Ctr., 343-7720
PATCHOGUE 32 W. Main St.
PLATTSBURGH Sky Way Shop. Ctr., 563-2710
POUGHKEEPSIE (Wappingers Falls) Imperial Plaza, 297-8015
ROCHESTER Ridgemont Plaza (Greece), 227-1750
 Henrietta Plaza, Jefferson & Henrietta Rd., 473-2366
 Country Club Plaza, 381-0665
 Ridge Hudson Plaza, 544-2550
ROCKVILLE Ctr. 264 Sunrise Hwy., 678-2236
SCHENECTADY 219 Nott Terrace, 377-7883
SOUTHAMPTON 36 Hampton Rd., 283-8686
STATEN ISLAND Tysens Park Shop. Ctr., 2716 Hylan Blvd., 987-7928
SUNNYSIDE 45-02 Queens Blvd., 937-5120
SYRACUSE 2574 Erie Blvd. East, 446-4990
 Fairmount Fair Ctr., 468-0211
 628 So. Main St. (N. Syracuse), 458-1737
TROY Troy Plaza, Hoosick St., 272-6348
UTICA (Yorkville) Commercial Dr., 736-0881
 Green Acres Shop. Ctr.
WESTBURY 1083 Old Country Rd.

NORTH CAROLINA

ASHVILLE Asheville Mall*
BURLINGTON Holly Hill Mall, 584-7887
CHARLOTTE 1010 Central Ave., 375-3198
 Tryon Mall, 596-7898
 Tyvola Mall, 523-1258
DURHAM North Gate Shop. Ctr.
GASTONIA Gaston Mall
GOLDSBORO Eastgate Shop. Ctr., 735-7539
GREENSBORO 926 Summit Shop. Ctr., 273-6134
KINSTON Vernon Park Mall Shop. Ctr., 527-7603
RALEIGH North Hills Mall Shop. Ctr., 787-6586
WINSTON-SALEM Winston-Salem Parkway Plaza, Rt. 150

NORTH DAKOTA

Watch for Announcement

OHIO

CLEVELAND Midtown Shop. Ctr. (Parma), 398-4900
 Hilltop Plaza Shop. Ctr. (Richmond Hts.), 461-2344
 245 Shoregate Shop. Ctr. (Willowick), 944-4577
COLUMBUS Eastland Shop. Ctr., 866-0310
 Westland Shop. Ctr., 276-3558
 Graceland Shop. Ctr., 888-0425
AKRON Lakemore Plaza, 794-8220
 Slow-Kent Shop. Ctr., 688-6019
CANTON Mellett Mall, 477-4933
CINCINNATI 740 Swifton Ctr., 631-4570
 White Oak Ctr., Cheviot Rd., 522-2251
 6832 Hamilton Ave., 522-5600
 7414 Montgomery Rd., 791-3823
 Newport Pl. (Fairfield), Ky., 441-4361
 Fair Plaza (Fairfield), 863-3317
CLEVELAND 20672 Center Ridge Rd. (Rocky R.), 333-7960
 Mentor City Shop. Ctr. (Mentor), 255-6781
 Northgate Shop. Ctr. (Maple Hts.), 475-8150
 Richmond Mall (Richmond Hts.), 442-2955
 Parmatown Shop. Ctr. (Parma), 884-5127
 1741 Euclid Ave., 241-3950
 11850 Detroit Ave. (Lakewood), 521-0565
 Northgate Shop. Ctr. (Elyria), 324-6680
 Shoregate Shop. Ctr. (Willowick), 944-6640
COLUMBUS 4290 No. High St., 267-9271
 Town & Country Shop. Ctr., 237-0493
 Northland Shop. Ctr., Karl Rd. at Morse
 Great Western Shoppers' Mart, 276-7148
 Great Southern Shop. Ctr., 491-8301
 1450 W. Mound St., 274-3139
CUYAHOGA FALLS Greater State Rd. S.E.*
DAYTON Woodlane Plaza (Kettering), 293-6923
 Spinning Plaza, 5518 Burkhardt, 254-6249
 4613 Salem at "K" Mart, 277-9309
 Brandt-Tower Plaza (Huber Hts.), 236-2510
 Miamisburg Plaza (Miamisburg), 866-3316
FAIRFIELD Fair Plaza, 863-3317
LIMA Lima Mall, 331-5085
MARION Southland Mall, 389-4812
NILES Eastwood Mall, Youngstown Rd., 652-9986
TOLEDO Woodville Mall (Northwood), 693-0425
 Southland Shopping Ctr., 385-5758
YOUNGSTOWN Lincoln Knoll Plaza, 744-0117
 Austintown Plaza, 792-3224

OKLAHOMA

ARDMORE 701 Grand, 223-0736
ENID 229 W. Cherokee, 234-5193
LAWTON 2615 Cache Rd., 353-0566
OKLAHOMA CITY Mayfair Shop. Ctr., 943-8491
 Hillcrest Shop. Ctr., 681-5591
 7605 N.W. 23rd, 787-1722
 5839 N.W. 50th, 787-3555
 2148 W. Britton Rd., 842-1467
TULSA 2730 South Harvard, 742-5553
 15 So. Sheridan Rd., 836-3718
 1403 East 41st St., 743-4802
 51st & Sheridan, 627-3620

OREGON

BEAVERTOWN 3370 S.W. Cedar Hills Blvd., 643-1650
EUGENE 57 W. 29th, 342-6197
MEDFORD E. 8th & S. Front, 779-2257
PORTLAND 1928 N.E. 42nd Ave., 281-4842
 7461 S.W. Barbur Blvd., 246-5440
 10114 S.E. Division, 760-1555
SALEM 697 12th St., S.E., 585-2888

PENNSYLVANIA

ALLENTOWN 539 Hamilton St., 435-1202
 Whitehall Mall, N. 7th St., 432-0776
ARDMORE 9 E. Lancaster Ave. & Station Rd., 649-7433
BEAVER Beaver Valley Mall
BROOMALL Lawrence Park Shop. Ctr., 353-2895
BUTLER Greater Butler Mart, Rt. 85, 287-5094

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DREXEL HILL Bond Shop. Ctr.
GREENSBURG Greengate Mall, 837-0370
KING OF PRUSSIA Valley Forge Ctr., 265-6564
LANCASTER Manor Shop. Ctr., 393-4171
LANDSALE 219 West Main St., 368-1448
LEVITTOWN Levittown Shop. Ctr., 943-8705
MONROEVILLE Miracle Mile Shop. Ctr., 372-4034
NEW KENSINGTON Hillcrest Shop. Ctr., (N. Ken.) 339-1234, (Pitts.) 363-2335
NORRISTOWN Astor Shop. Ctr.
PHILADELPHIA Roosevelt Mall, 338-4711
8th & Filbert Sts., 923-2198
1208 Walnut St., 546-0206
5601 Germantown Ave., 849-0750
Cheltenham Ctr., 2227 Cheltenham Ave., 886-0696
2047 Oregon Ave. (S. Phil.), 463-2910
Andorra Shop. Ctr. (Roxboro), 483-8454
6338 Woodland Ave. (S. Phil.), 724-6039
4524 Frankford Ave., 743-6161
14 South 60th Street, 472-2651
City Line Ctr., 7710 City Line Ave.
MacDade Mall, MacDade Blvd. & South Ave. (Holmes), 586-6735
PITTSBURGH So. Hills Village Ctr., 343-5800
East Hills Shop. Ctr., 243-8200
4853 McKnight Rd., 931-3143
315 E. 8th St. (Homestead), 462-9266
125 Sixth St., 391-8797
Eastland Shop. Ctr. (N. Versailles), 673-6553
3512 Saw Mill Run Blvd., 884-6100
Crafter-Ingram Shop. Ctr. (Crafter), 922-6671
UPPER DARBY 6778 Market St., 352-2083
WASHINGTON Washington Mall, 225-6135
WILLOW GROVE 23 Easton Rd., 659-4582
YORK York County Shopping Ctr., 757-1312

RHODE ISLAND

EAST PROVIDENCE Shoppers' Town, 434-5672
PROVIDENCE 355 Reservoir Ave., 467-3390
University Heights Plaza, 861-5975
WARWICK 296 Midland Mall, 828-4141

SOUTH CAROLINA

CHARLESTON Ashley Plaza Mall*
Grant City North Shop. Ctr., 744-8645
COLUMBIA Dutch Sq. Mall Shop. Ctr.
GREENVILLE Bell Plaza Shop. Ctr. 235-5082

SOUTH DAKOTA

SIOUX FALLS Western Ave. & 42nd St., 336-2282

TENNESSEE

BRISTOL 2319 Bluff City Hwy., 764-5931
CHATTANOOGA 3987 Brainerd Rd., 622-5976
CLARKSVILLE 1191 Hopkinsville Hwy., 647-3315
JACKSON Old Hickory Mall, 424-5643
KNOXVILLE 314 Southwest Gay St., 523-2883
7329 Kingston Pike S.W., 584-3481
MEMPHIS 1208 Southland Mall, Whitehaven, 396-7762
96 No. Avalon (City Center), 272-7599
Eastgate Shop. Ctr., 683-3985
Fraser Pl. Shop. Ctr., 358-4315
1825 South 3rd St., 947-2371
3403 Summer Ave., 324-8234
NASHVILLE 100 Oaks Shop. Ctr., 291-1529
Harding Mall, 832-0124

TEXAS

DALLAS 8201 Preston Rd., 368-2807
727 Wynnewood Village, 948-7107
310 Big Town Shop. Ctr. (Mesquite), 328-3591
FORT WORTH Ridglea Shop. Ctr., 6109 Camp Bowie Blvd., 732-8168
ABILENE 2910 North First St., 673-8169
Leonards, Mockingbird & 14th St.*
AMARILLO 17 Western Plaza, 355-2822
1804 E. Amarillo Blvd., 372-6072
ARLINGTON 805 E. Park Row, 277-3151
Leonards, 985 N. Cooper, 277-9171

ARLINGTON/GRAND PRAIRIE Leonard's, 300 E. Pioneer Pky., 261-0455
AUSTIN 2239 So. Lamar, 444-7300
Hancock Shopping Ctr., 454-3090
North Village Shop. Ctr., 454-0994
BAYTOWN 1303A Sandylane, 427-4169
BEAUMONT Beaumont Vill. Shop. Ctr., 892-0692
5050 College, 832-2221
BROWNSVILLE 847 S.E. Elizabeth St., 546-6156
BROWNWOOD Leonards, 1400 Austin St., 646-6586
CONROE North Hills Shop. Ctr., 756-3422
CORPUS CHRISTI 520 Everhart Rd., 854-2661
4212 Ayers St., 854-2871
DALLAS 144 Medallion Shop. Ctr., 363-4628
125 Wynnewood Village, 948-3201
138 Marsh Lane Plaza, 357-7419
156 Inwood Village, 358-3892
Hwy. 67 & Polk St., 376-2355
507 Casa Linda Plaza, 328-2522
1410 So. Buckner Blvd., 391-5578
1920 Main St., 747-4369
Richardson—130 Arapaho Rd., 235-2555
DENTON Denton Shop. Ctr., 387-3375
EL PASO 85 Bassett Center, 778-7965
Northgate Shop. Ctr., 755-0701
Mesa Village Shop. Ctr., 532-5780
FORT WORTH Leonards, 200 Houston St., 336-9111
3524 Denton Hwy., 831-1951
1810—1812 W. Berry St., 923-7238
Leonards, 3330 Mansfield Hwy., 531-3676
2615 West 7th St., 336-4684
Leonards, 4225 E. Lancaster, 531-3621
Ridglea Shop. Ctr., 6109 Camp Bowie Blvd., 732-8168
Leonards, 8100 Hwy. 80 West, 244-5333
138 Seminary South, 927-7828
Leonards, 6601 Azle Ave., 237-3375
701 Throckmorton St., 336-3401
5516 River Oaks Blvd., 732-0071
GALVESTON Weingarten Shop. Ctr., 744-1645
GARLAND 1816—18 So. First St., 278-3028
GRAHAM Leonards, 1318 Cherry St., 549-4000
HOUSTON 7949 Katy Freeway, 682-5694
8458 Gulf Freeway, 643-4731
322 Northline Mall, 697-7914
Bellaire—4759 Bissonnet, 667-5190
4913 Griggs Rd., 747-8058
12403 Hillcroft Ave., 729-5468
9417 Jensen Dr., 694-4266
410 W. Little York, 448-4908
1407 Spencer Hwy. (So. Houston), 944-5575
1711 Colonnade Dr., 747-2473
1214 Westheimer, 528-4322
Clarewood Drive Shop. Ctr.
9221 Long Point Rd., 465-7577
Belvis & 20th St.*
Pasadena—Pasadena Oaks Shop. Ctr., 473-9717
HURST Leonards, 1101 Melbourne Ave., 284-9431
IRVING Plymouth Park Shop. Ctr., 253-6811
Leonards, MacArthur & Rochelle Sts.
LAREDO 1208 San Bernardo Ave., 722-6211
LONGVIEW 111 W. Tyler
LUBBOCK B-10 Caprock Shop. Ctr., 799-1323
324 Univ. Town & Country Ctr., 762-1145
1907 University, 762-1770
MIDLAND South "9" Meta Drive, 682-7001
MINERAL WELLS Mitchells Dept. Store, Brazos Shop. Ctr., 325-6371
ODESSA 901 N. Grandview, 332-9322
SAN ANTONIO 2316 E. Southercross Blvd., 532-7368
150 Wonderland Shop. Ctr., 735-9161
684 S.W. Military Dr., 924-4851
7107½ San Pedro Ave., 341-3391
SEABROOK 607 Kirby Rd., 877-1421
SHERMAN 1620 Hwy. 75 North, 892-6553
STEPHENVILLE Mitchell's Dept. Store,

Stephenville Plaza, 968-2200
TEMPLE Youngstown Shopping Ctr., 778-3791
TEXARKANA State St. Line, #12 K-Mart Plaza, 792-4341
TYLER Green Acres Shop. Ctr., 593-8901
VICTORIA 215 S. Main, 575-5382
WACO 4300 West Waco Dr., 772-9246
WICHITA FALLS Southmoor Shop. Ctr., 767-6702

UTAH

OGDEN K-Mart Plaza, 399-3951
OREM 1708 So. State St., 225-0707
SALT LAKE CITY Cottonwood Mall, 277-3064
680 So. State, 328-3665

VERMONT

BARRE Vermont Shop. Ctr., 476-5163
BURLINGTON 159 Main St., 658-3073
RUTLAND 3 Merchants Rd., 775-5617

VIRGINIA

ARLINGTON Parkington Shop. Ctr., 524-5422
FALLS CHURCH 6653 Arlington Blvd., 532-2441
HAMPTON Mercury Plaza Mall, 838-5200
LYNCHBURG Wadsworth St.—Pittman Plaza
NEWPORT NEWS Warwick Blvd. & Jones Rd.
NORFOLK 4016 Granby St., 622-0080
Little Creek East Shop. Ctr.*
PORTSMOUTH Mid-City Shop. Ctr. Annex, 399-2115
RICHMOND Ridge Shop. Ctr., 285-0734
ROANOKE Roanoke—Salem Plaza, 362-2779
Towers Shop. Ctr., 344-4820
SPRINGFIELD Springfield Shop. Ctr., 451-2261
VIENNA Tyson's Plaza, 893-3767
VIRGINIA BEACH Pembroke Mall, 497-9211

WASHINGTON

AUBURN 1319 Auburn Way So., 939-3920
BELLEVUE 15015 Main St., 747-6360
EVERETT 6502 Evergreen Way, 353-0020
LYNNWOOD 15505 56th W. & 196th S.W., 774-7733
OLYMPIA 322 So. Sound Shop. Ctr., 491-3260
PUYALLUP 208 River Rd., 848-1501
SEATTLE 116 S.W. 148th St., 242-3637
2032 N.W. Market St., 784-8986
2028 Third Ave., 682-5280
837 N.E. 110th St., 364-8670
511 Pike Street, 682-7980
4505 California Ave., S.W., 935-0900
3400 Rainier Ave., South, 725-5000
SPOKANE W. 401 Riverside Ave., 624-5279
5 Mile Shop. Ctr., 325-4501
5308 E. Sprague Ave., 535-4741
TACOMA 6438 So. Yakima, 474-9463
5921 100th St. S.W., 582-1143
6212 Sixth Ave., 752-7725

WEST VIRGINIA

MARTINSBURG Charles Town Rd., 263-9995
WHEELING 1120 Main St., 232-2800

WISCONSIN

MILWAUKEE Point Loomis Shop. Ctr., 383-4771
5314 N. Port Washington Rd., 962-3550
Brookfield Square Shop. Ctr., 782-1300
APPLETON Valley Fair Shop. Ctr., 734-7138
EAU CLAIRE Barstow & Main St., 834-3680
FOND DU LAC Southtown Shop. Ctr., 921-5892
GREEN BAY 1924 Ridge Rd., 499-3547
MADISON 325 W. Belt Line Hwy., 271-6251
Truax Plaza, 301 Farwell Dr.
MANITOWOC Mid-City Plaza, 682-5560
MILWAUKEE Mill Road Shop. Ctr., 353-6790
3128 So. 27th St., 383-0160
2325 N. 124th St. (Bkfld.), 782-1660
10332 Silver Spring Dr.
RACINE 3034 Lathrop, 637-8068
SHEBOYGAN 912 No. 8th St., 457-7654
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WEST ALLIS 2968 S. 108th St., 327-2230

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- Plays all 8-track stereo tapes automatically or manually
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- Total-blackout dial • Speakers move up to 14-ft. apart
- Bass and treble controls • Walnut-finish wood cabinets

Model 2698. Our most exciting value ever in a component-type radio, it's actually a compact all-in-one stereo music center. Solid-state circuit has 36-watt peak music power for rich stereo from FM or tapes, when power is switched off. Also has separate bass and treble controls, a channel balance control and 6-position input selector. Has pushbuttons for AFC and power on-off, stereo-FM light, solid die-cast front panel, built-in antennas. There are jacks for plugging in a stereo record changer with crystal or ceramic cartridge like the Garrard Demi below, or our "Module" changer on page 126. Auxiliary input and tape outputs, plus stereo headphone jack for private listening. **8-Track Stereo Tape Cartridge Player** features fully automatic operation. Just slide in a cartridge and tape starts playing. Tape programs change automatically or at the touch of a button. Indicator lights show which program is playing. Constant-speed motor prevents variations in musical pitch. **Speaker Systems** move up to 14-feet apart for fullest stereo realism. A 6 1/2" woofer and 2" tweeter in each enclosure assure full-fidelity sound. Adhesive pads permit speakers to be used upright or sideways without scratching wood. All-wood cabinets finished in oiled walnut. Radio, 4 3/8 x 16 1/8 x 9 1/8". Speakers, 13 x 8 1/4 x 7 1/2" each, AC.

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Garrard 4-Speed Demi-Changer. Ceramic cartridge, diamond stylus. Automatic, manual spindles. With tinted dust cover, walnut-look base. Only 12 x 8 1/2" AC.

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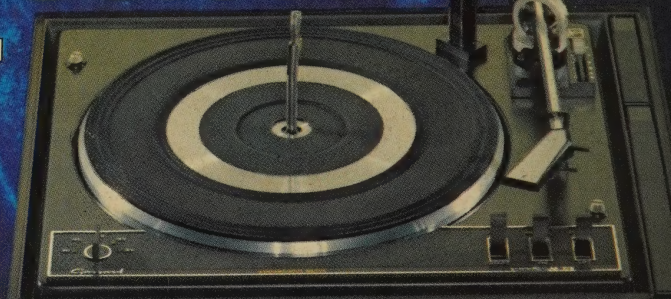


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Elliptical Cartridge

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